1698.

Apollo Anglicanus,

THE

ENGLISH APOLLO.

Assisting

All Persons in the Right Understanding of this Years Revolution, as also of things past, present, and to come.

With necessary Tables, plain and useful.

A twofold Kalendar, *viz. Julian* or *English*, *Gregorian* or *Forain* Computations, more plain and full than any other, with the Rising and Setting of the Sun, the nightly Rising and Setting of the Moon, and also her Southing, Exactly calculated for every day. Of general use for most men.

Being the 2*d.* after *Bissextile* or *Leap-Year.*

To which is added the Moons application to the fixed Stars: With the Calculation of the Eclipses: also Rules and Tables for the measuring of Timber: with many other things both pleasant, useful and necessary.

Calculated according to Art, and fitted to the Meridian of *Leicester*, whose Latitude is 52 Degrees 41 Minutes, exactly fitting all the middle Counties of *England*, and without sensible error the whole Kingdom.

By *RICHARD SAUNDER*, *Student in the Physical and Mathematical Sciences.*

LONDON: Printed by *M. Clark*, for the Company of *STATIONERS.* 1698.

The *Julian* or Old Account used in *Engl.*		1698	The *Gregorian* or New Stile used beyond Sea.	
	8	The Golden Number		8
	B	The *Dominical* Letter		C
	28	The Epact		18
March	6	Shrove Sunday	February	9
June	2	Ascension-day	May	8
June	12	Whit-Sunday	May	18
November	27	Advent Sunday	November	30

A Table of the Terms and their Returns.

Hillary Term begins *Jan.* 24. ends *Febr.* 12.

Essoin-days.		*Except.*		*Ret. Brev.*		*Appear.*	
Octab. Hillar. Jan.	20	January	21	Jan.	22	Jan.	24
Quind. Hillar. Jan.	27	January	28	Jan.	29	Jan.	31
Craftin. Purif. Feb.	3	February	4	Febr.	5	Febr.	7
Octab. Purif. Feb.	9	February	10	Febr.	11	Febr.	12

Easter Term begins *May* 11. ends *June* 6.

Quind. Pasch. May	9	May	10	May	10	May	11
Tres Pasch. May	16	May	17	May	17	May	18
Mens. Pasch. May	23	May	24	May	24	May	25
Quinq. Pasch. May	30	May	31	May	31	June	7
Craft. Ascens. June	3	June	4	June	4	June	6

Trinity Term begins *June* 24. ends *July* 13.

Craft. Trin. June	21	June	21	June	22	June	24
Octab. Trin. June	27	June	28	June	28	June	29
Quind. Trin. July	4	July	5	July	5	July	6
Tres. Trin. July	11	July	12	July	12	July	13

Michaelmas Term begins *Octob.* 24. ends *Nov.* 28.

Tres Mich. Octob.	20	Octob.	21	Octob.	22	October	24
Mens. Mich. Octob.	27	Octob.	28	Octob.	29	October	31
Craft. Anim. Nov.	3	Novemb.	4	Novemb.	5	Novemb.	7
Craft. Mart. Nov.	12	Novemb.	14	Novemb.	14	Novemb.	15
Octab. Mart. Nov.	18	Novemb.	19	Novemb.	19	Novemb.	21
Quind. Mart. Nov.	25	Novemb.	26	Novemb.	26	Novemb.	28

A Table of the KINGS and QUEENS of *England*, since the Conque

		Born Anno	*Began to reign.*	Reigned Since their Reigns ended. Y.	M		Buried
William	1	1023	1066, Oct. 14	20	11	1611, Septem. 9	Caen N
William	2	1057	1087, Sep. 9	12	11	1598, Auguſt 2	Winch
Henry	1	1068	1100, Aug. 1	35	4	1563, Decem. 1	Reding
Stephen		1105	1135, Dec. 2	18	11	1554, Octob. 25	Feverſh
The Saxon Line reſtor'd.							
Henry	2	1132	1154, Oct. 25	34	9	1589, July 6	Fountev
Richard	1	1152	1189, July 6	9	9	1459, April 6	Fountev
John		1165	1199, April 6	17	7	1482, Octob. 19	Worceſt
Henry	3	1207	1216, Oct. 9	56	1	1426, Nov. 16	Weſtmi
Edward	1	1239	1272, No. 16	34	8	1391, July 7	Weſtmi
Edward	2	1283	1307, July 7	19	7	1372, Jan. 25	Gloceſt
Edward	3	1312	1327, Jan. 25	51	5	1421, June 21	Weſtmi
Richard	2	1366	1377, Jun. 21	22	3	1459. Sept. 29	Weſtmi
The Line of Lancaſter.							
Henry	4	1367	1399, Sep. 29	13	6	1285, Mar. 20	Canter
Henry	5	1386	1413 Mar. 20	9	5	1275, Aug. 31	Weſtmi
Henry	6	1421	1422, Aug. 31	38	6	1238, Mar. 4	Windſo
The Line of York.							
Edward	4	1442	1461, Mar. 4	22	1	1215, April 5	Wincher
Edward	5	1471	1483, Apr. 9	0	2	1215, June 15	Not kno
Richard	3	1144	1483, Jun. 22	2	2	1213. Aug. 2	Leiceſt.
The Families United.							
Henry	7	1455	1485, Aug. 22	23	10	1509, April 21	Weſtmi
Henry	8	1491	1509, Apr. 22	37	10	1151, Jan. 28	Windſo
Edward	6	1537	1547, Jan. 28	6	5	1245, July 6	Weſtmi
Qu. Mary		1518	1553, July 6	5	4	1140, Nov. 17	Weſtmi
Qu. Elizab.		1533	1558, No. 17	44	4	1595, March 24	Weſtmi
The Union of the two Kingdoms.							
James	1	1566	1602, Ma. 24	22	0	1679, March 27	Weſtm.
Charles	1	1600	1625, Ma. 27	23	11	1649, Janu. 30	Windſo
Charles	2	1630	1648, Jan. 30	36	0	1613, Februar. 6	Weſtmi
James	2	1633	1684, Feb. 6	4	0	1689, Febru. 13	
William & Mary		1650 1662	1689, Feb. 12	Whom God grant long to Reign. Who died *Dec.* 28. 1694.			

You here may ſee a Race of Monarchs Great,
When one reſign'd, when t'other took the Seat.
Of theſe ſome mighty were in Feats of Arms,
Others much fam'd, admir'd for peaceful Charms.
The preſent fam'd for both, to pray now let's not ceaſe,
As He was great in War, He may be great in Peace. *Omnis Poteſtas à Deo*

A Table of the exact time of the Moon's coming to South in hours and minutes, every day for the first six Months of this Year 1698.

Days.	January		February		March		April		May		June	
	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.
1	11	M. 16	12	31	1	12	12	42	1 A	28	3 A.	10
2	12	10	1 A.	22	12	8	1 A.	42	2	30	4	4
3	1 A.	2	2	14	1 A.	2	2	41	3	31	4	51
4	1	52	3	4	1	56	3	40	4	30	5	35
5	2	43	3	55	2	52	4	38	5	24	6	17
6	3	32	4	50	3	45	5	34	6	13	6	58
7	4	20	5	47	4	42	6	28	6	56	7	40
8	5	10	6	42	5	38	7	21	7	40	8	25
9	6	0	7	39	6	34	8	12	8	24	9	12
10	6	50	8	36	7	30	8	56	9	7	10	0
11	7	46	9	30	8	25	9	39	9	50	10	46
12	8	45	10	22	9	15	10	21	10	33	11	32
13	9	45	11	13	10	0	11	3	11	16	12	20
14	10	42	12	4	10	45	11	45	12	0	0 M.	20
15	11	38	0 M.	4	11	30	12	28	0 M.	0	1	10
16	12	36	0	50	12	15	0 M	28	0	48	2	0
17	0 M.	36	1	33	0 M.	15	1	15	1	38	2	48
18	1	26	2	15	1	0	2	2	2	28	3	36
19	2	10	2	56	1	44	2	52	3	19	4	24
20	2	52	3	37	2	3	3	43	4	9	5	11
21	3	35	4	20	3	15	4	33	4	56	6	0
22	4	18	5	6	4	0	5	24	5	46	6	5
23	5	0	5	56	4	50	6	14	6	34	7	42
24	5	43	6	46	5	42	7	4	7	22	8	41
25	6	30	7	35	6	34	7	55	8	13	9	43
26	7	18	8	27	7	25	8	48	9	10	10	46
27	8	4	9	20	8	16	9	41	10	9	11	48
28	8	54	10	16	9	8	10	35	11	8	12	49
29	9	46			10	0	11	30	12	8	1 A.	45
30	10	42			10	52	12	25	1 A.	10	2	37
31	11	38			11	46			2	12		

A Table of the exact time of the Moon's coming to South in hours and minutes, every day for the last six Months of this Year 1698.

Days	July		August		Septemb.		October		Novemb.		Decemb.	
	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.
1	3 A.	24	4 A.	13	5 A.	16	5 A.	46	7 A.	0	7 A.	1
2	4	8	4	56	6	3	6	38	7	50	7	47
3	4	52	5	40	6	54	7	28	8	40	8	40
4	5	33	6	26	7	45	8	18	9	30	9	38
5	6	15	7	14	8	37	9	9	10	20	10	38
6	7	0	8	4	9	28	10	0	11	10	11	40
7	7	45	8	54	10	15	10	50	12	5	12	40
8	8	31	9	45	11	5	11	38	0 M.	5	0 M.	40
9	9	18	10	36	11	57	12	27	1	8	1	38
10	10	9	11	27	12	52	0 M.	27	2	12	2	36
11	11	0	12	18	0 M.	52	1	24	3	14	3	32
12	11	50	0 M.	18	1	48	2	23	4	12	4	27
13	12	40	1	8	2	44	3	24	5	8	5	14
14	0 M.	40	1	56	3	40	4	26	6	0	5	57
15	1	28	2	48	4	36	5	24	6	46	6	40
16	2	16	3	42	5	32	6	23	7	28	7	21
17	3	6	4	36	6	27	7	16	8	11	8	3
18	3	56	5	30	7	20	8	5	8	53	8	50
19	4	45	6	24	8	12	8	50	9	36	9	38
20	5	36	7	18	9	4	9	34	10	20	10	26
21	6	30	8	15	9	56	10	19	11	5	11	13
22	7	28	9	12	10	45	11	3	11	52	12	1
23	8	26	10	6	11	30	11	46	12	40	12	51
24	9	25	11	0	12	15	12	28	1 A.	29	1 A.	41
25	10	25	11	57	1 A.	0	1 A.	14	2	19	2	26
26	11	24	12	44	1	44	2	2	3	8	3	10
27	12	22	1 A.	28	2	30	2	52	3	55	3	54
28	1 A.	14	2	13	3	17	3	41	4	41	4	40
29	2	0	2	58	4	5	4	30	5	27	5	27
30	2	46	3	44	4	54	5	19	6	12	6	14
31	3	30	4	30			6	8			7	4

To find the time of High Water in moſt Ports of England.

FIrſt ſeek the Moon's Southing on the foregoing Table for your Day, then you may conclude it High-Water at *Southampton*, *Quinborough* and *Portſmouth*, for there the South and North Moons make a High-water: But when you deſire the time of Full Sea in any of the following Coaſts in the enſuing Table, find the name of the Place, and ſee how many Hours and Minutes be annex'd thereunto in the Column under *H. M.* which added to the time Moon's coming to the South, gives the time of High-Water at the Place required.

A *Tide-Table*, with the Names of the Havens.

	H	M
Rocheſter, *Malden*, *Aberdeen*,	0	45
Graveſend, *Romney*, *Ramkins*,	1	30
London, *Tinmouth*, *Hartle-pool*,	3	0
Frith, *Leith*, *Dunbar*, *Narbon*,	4	30
Newcaſtle, *Falmouth*, *Humber*,	5	15
Lyn, *Antwerp*, *Plimouth*, *Hull*,	6	0
Briſtol, *Lanion*, *Foulneſs*,	6	45
Milford, *Bridg-water*, *North-coaſt*,	7	30
Portland, *Peterport*, *Hartflew*,	8	51
Dover, *Yarmouth*, *Harwich*, *Dublin*,	10	30
Calais, *Rye*, *Winchelſea*, *Calſhot*.	11	15

Example.

The ſixth of *April* this year, it is required to know the time of High-water at *London*? By the Table of the Moon's Southing, againſt *April* 6. I find the Moon South at 5 hours 34 min. Afternoon: then in the preceding Tide-Table againſt *London* I find 3 h. 0 m. which added to 5 h. 34 m. makes 8 h. 34 m. the time of High-water at *London*, *Apr.* 6. Afternoon. So of any other.

Note, *That the Tide floweth conſiderably more at the New and Full of the Moon than at the Firſt and Laſt Quarters; as alſo the Latitude of the Moon and Winds may alter it an hour ſooner or later.*

Directions

Directions for the ſubſequent Diary or Almanack.

IN the firſt Column to the left hand, on the left-hand Page, you have the Numerical Figures of the days of the Month.

In the ſecond Column you have the week days, and the Dominical Letter.

In the third Column you have the Saints days, and the places of the Planets once a Month; as alſo the Moons application to the fixed Stars, by which the Aſterifms and Conſtellations may be eaſily known to an ingenious eye and underſtanding.

In the fourth Column the Moons place in the Zodiack every day at noon.

In the fifth Column the Riſing and Setting of the Moon, with reſpect to her Latitude.

In the ſixth Column the Mutual Aſpects of the Planets, with the general ſtate of the Weather.

In the firſt Column on the Right-hand Page you have the Engliſh Account.

In the ſecond Column you have the Roman Account.

In the third Column the Roman Week days.

In the fourth Column the perfect Roman Kalendar, and Saints days.

In the fifth Column you have a diſcourſe of Unity, *&c.*

The ſixth, ſeventh, and eighth Columns, the utmoſt to the Right hand, ſhew you the daily Riſing and Setting of the Sun.

On the top of the left hand Page is ſet the New and Full Moons, with the Firſt and Laſt Quarters.

On the top of the right hand Page is ſet the Riſing, Southing and Setting of the Planets.

● New Moon the 2 day at 8 morning.
☽ Firſt quarter the 9 day, at 10 morning.
● Full Moon the 16 day, at 6 morning.
☽ Laſt quarter the 14 day, at 6 morning.
● New Moon the 31 day, at 10 at night.

1	♄	New Years day	capri.	12	6	50		✶ ☉ ♆. Cloudy,
2	♃	☽ n. lucid. Vult.	capr.	25	New	●	—	cloſe, raw weath.
3	♂	☽ n. dex. hu. ♒	aqua.	9	6 A.	4		but about the 3
4	☉	☽ n. Os Pegaſi	aqua.	22	7	16		or 4th days high
5	♀	☽ n. Marchab.	piſces	6	8	30		winds are expect-
6	☿	Epiphany	piſc.	19	9	44		ed with driſling
7	♄	☽ n. cap. Andr.	aries	3	10	56		rain or ſleet, and
8	♃	☽ n. cing. Andr.	aries	17	12	12		☌ ♄ ☿. mode-
9	♂	1 Sun. paſt Ep.	taur.	1	0 M.	12		△ ☌ ☿. rate for
10	☉	Sol in Aquar.	taur.	15	1	24		the ſeaſon. But
11	☽	☽ n. Pleiades	taur.	29	2	36		towards the full
12	♀	☽ n. Aldebaran	gem.	14	3	48		□ ☌ ♀. moon
13	☿	Hillary	gem.	28	4	50		expect wind and
14	♄	☽ n. Caſt. & Pol.	canc.	12	5	48		ſnow, and ſtore
15	♃	☽ n. Aſellus	canc.	26	6	38		thereof, which is
16	♂	2 Sun. paſt Ep.	leo	10	Full	●	—	follow'd with
17	☉	☽ n. Cor leonis	leo	23	6 A.	23		□ ♆ ☿. ſharp
18	☽	♄ ♒ 10	virg.	6	7	30		froſts, and right
19	♀	♀ ♏ 25	virg.	19	8	36		☌ ☉ ♄. wint rly
20	☿	☌ ♎ 14	libra	1	9	42		weather, and a-
21	♄	S. Agnes	libra	13	10	46		bout the 24 or
22	♃	♀ ♑ 25	libra	25	11	50		✶ ♆ ♀. 25 days
23	♂	3 Sun. paſt Ep.	ſcorp.	7	12	54		△ ☉ ☌. ſome
24	☉	Term begins	ſcorp.	19	0 M.	54		ſtorms and varia-
25	☽	Conv. S. Paul	ſagit.	1	1	56		ble weather. But
26	♀	☿ ♓ 5	ſagit.	13	2	54		at the end of the
27	☿	☽ n. dex. h. Op.	ſagit.	25	3	42		month ſome mi-
28	♄	☽ n. luc. lyræ	capri.	8	4	28		tigation of Cold,
29	♃	☽ n. lucid. Vult.	capr.	21	5	14		with miſts or
30	♂	K. Cha. I. Mart.	aquar.	4	6			driſling rain.
31	☉	☽ n. Os Pegaſi	aquar.	18	New	●	—	

Moons ſetting.

Moons Rising.

January 1698.

Saturn is combust.
Jupiter rises about 2 and is South betwixt 6 and 7 in the morning.
Mars rises betwixt 10 and 11 at night, aud is South betwixt 4 & 5 in the morning.
Venus rises a little before the Sun.
Mercury at the end may be seen a little after Sun-set.

English Accom.	Forei. Accompt.	Rom. Kalenda.	Rom. Sts. Days
1	11	D	Hyginus
2	12	E	1 past Epip.
3	13	F	Hillary
4	14	G	Felix
5	15	A	Mauris
6	16	B	Marcellus
7	17	C	Anthon
8	18	D	Prisca
9	19	E	2 S. past Ep.
10	20	F	Fab. & Seb.
11	21	G	Agnes
12	22	A	Vincent
13	23	B	Emerent
14	24	C	Timothy
15	25	D	*Conv S. Paul*
16	26	E	Septuagesim
17	27	F	Chrysosto.
18	28	G	Car. Mag.
19	29	A	Valerius
20	30	B	Adelgund
21	31	C	Saturn
22	Febr.		Bridget
23	2	G	Purif. Mary
24	3	F	Blase
25	4	G	Gilbert
26	5	A	Agatha
27	6	B	Dorothy
28	7	C	Zachary
29	8	D	Wil. B.Y.
30	9	E	Quinquages
31	10	F	Scholastica

In my last but 1 speaking of the Vicissitude of things, somet thing was said of the springing up of new Sects, and there was said, if a Sect have not 2 Properties, there mentioned, fear not the spreading of 'em; One is, supplanting or opposing of Authority established, &c. which leads to say somewhat of Seditions & Troubles.

AS natural Tempests are greatest at the Equinoxes, so in States, when things grow to equality they are greatest. And as there are hollow Blasts of wind and secret Swellings of Seas before a Tempest; so in States, Libels, licentious Discourses, when frequent and open; also false News often running about to the Disadvantage of the State, and hastily embraced, are among the signs of Troubles. Virgil *giving the Pedigree of Fame, saith, she was Sister to the Giants; and there speaketh as if Fames*

1	8	7	3	53
2		5		55
3		4		56
4		2		58
5	8	1	3	59
6	7	59	4	1
7	7	58		2
8		56		4
9		55		5
10		53		7
11		52		8
12	7	50	4	10
13		49		11
14		47		13
15		46		14
16		44		16
17		43		17
18		41		19
19		39		21
20	7	38	4	22
21		36		24
22		34		26
23		33		27
24		31		29
25		29		31
26		27		33
27		25		35
28		23		37
29		21		39
30		19	4	41
31		7	4	43

☽ First quarter the 7 day, at 7 at Night.
● Full Moon the 14 day, at 10 at night.
☾ Last quarter the 23 day at 1 in the morning.

Mon. Day.	Week Da.	Festival & Saints days, with the ☽ s application to the noted fix'd ſtars.	The ☽s place in the zodiack at Noon			The ☽ rising fro. the full to the change, & ſetting fr. the cha. to the F.		The mutu. Aſ. of the Plan. with the var. conſt. of air & cha. of wea.
1	d	☽ dext. hum.	♓ piſc.	1	6 A.	0		Cold, cloudy and
2	e	Purificat. Mary	piſc.	15	7	2		cloſe weather be-
3	f	☽ n. Caud. Ceti	aries	0	8	46		gins this month,
4	g	☽ n. Cap. Andr.	aries	14	10	2		☐ ☉ ♆. and is
5	a	☽ n. prim ✶ Ar	aries	28	11	18		♂ ♄ ♀. follow'd
6	b	5 Sun. paſt Ep.	taur.	1	12	30		with ſome black
7	c	☽ n. Pleiades	taur.	6	0 M.	30		△ ♂ ♀. Froſts,
8	d	Sol in Piſces	gem.	10	1	3		♂ ☉ ☿. yet mo-
9	e	☽ n. dex. hu. Aur.	gem.	24	2	36		derate. But a-
10	f	☽ Canis major	canc.	8	3	28		bout the 12 or
11	g	☽ n. Caſt. & Pol.	canc.	22	4	28		☐ ♆ ☿. 14 days
12	a	Term ends	leo	5	5	4		Wind with Snow
13	b	6 Sun. paſt Ep.	leo	18	5	48		or cold Rain is
14	c	*Valentine*	♍ virg	1	Full ●			expected, after-
15	d	♄ ♒ 13	virg.	14	6 A.	27		☐ ♆ ♀. wards
16	e	♆ ♏ 27	virg.	27	7	32		fair and froſty for
17	f	♂ ♎ 15 R.	libra	9	8	38		ſome days, with
18	g	♀ ♒ 8	libra	2	9	4		ſome miſty wea-
19	a	☿ ♒ 21 R.	ſcorp.	3	10	4		ther about this
20	b	Septuageſima	ſcorp.	15	11	40		time; and about
21	c	☽ n. ſin. man. Op.	ſcorp.	27	12	36		the 21 day ſome
22	d	☽ n. Cor. Scorp.	ſagit.	8	0 M.	36		△ ♄ ♂. ſharp
23	e	☽ n. dex. hu. Op.	ſagit.	20	1	30		Winds, & ſtorms
24	f	S. Matthias	capri.	3	2	20		of Hail or Sleet;
25	g	☽ n. caud. Vult.	capr.	16	3	4		But the Month
26	a	☽ n. lucid. Vult.	capr.	29	3	45		ends with cloſe
27	b	Sexageſima	aqua.	1	4	26		and cold driſling
28	c	☽ n. dex. hu.	♒ aqua.	26	5	7		Weather.

Moons ſetting 1 Moons Riſing.

February 1698.

Saturn goeth from Combust on, and at the beginning is with *Venus*, both rising before the Sun.
Jupiter rise about 1 man, and is South betwixt 5 & 6.
Mars is South about 2 mane, he rise about 7 & 8 at night.
Mercury is combust most part of this month.

English Accompt.	Forein Accompt.	Roman Kalendar.	Roman Saints days.	*Feriæ statæ & concept.*		M.D.	☉ ri.	☉ se.
1	11	g	Solther	*were the Reliques of Sedi-*	1	7	10	4 44
2	12	a	Severin	*tions past; but they are*	2		11	46
3	13	b	Agabus	*also Preludes of those to*	3		12	48
4	14	c	*Valentine*	*come; however he noteth*	4		10	0
5	15	d	Juliana V.	*right, that Seditious, Tu-*	5		8	54
6	16	e	Quadrages.	*mults, &c. differ no more*	6		6	5
7	17	f	Dioscor.	*than as Masculine and Fe-*	7		4	5
8	18	g	Simeon	*minine; especially if once*	8		2	4 58
9	19	a	Roman	*the best Actions of a state*	9	7	0	5
10	20	b	Mildred	*are taken in an ill Sense*	10	5	5	5 2
11	21	c	Esaias	*and traduced; for that*	11		56	4
12	22	d	Peters Ch.	*shews the Envy great, nei-*	12		54	6
13	23	e	Reminiscere	*ther does it follow, that*	13		52	8
14	24	f	S. Matthias	*because these are a sign of*	14		50	0
15	25	g	Invent. Paul	*Troubles, the suppressing*	15		48	12
16	26	a	Simeon B.	*them with too much Seve-*	16		46	14
17	27	b	Augustine	*rity, should be a Remedy,*	17		4	6
18	28	c	Oswald	*for the despising of them*	18		42	18
19	Mar.		David	*many times checks them*	19		4	0
20	2	e	Oculi	*best. There is also a kind*	20	6	38	5 22
21	3	f	Maurice	*of obedience which is to*	21		3	24
22	4	g	Adrian	*be held suspected, viz. Dis-*	22		3	6
23	5	a	Eusebius	*puting, Excusing, Cavil-*	23		3	28
24	6	b	Victor	*ling upon Mandates and*	24		3	30
25	7	c	Perpetua	*Directions. 'Tis a kind of*	25		2	32
26	8	d	Cyprian	*shaking of the yoke and*	26		2	35
27	9	e	Lætare	*an Essay of Disobedience,*	27		2	37
28	10	f	Michæus	*especially if, in such Dis-*	28	6	8	5 39
29								

March hath xxxi. days.

● New Moon the 2 day, at 8 in the Morning.
☽ First quarter the 9 day, at 3 in the morn.
○ Full Moon the 16 day, at 3 afternoon.
☾ Last quarter the 24 day, at 6 afternoon.
● New Moon the 31 day, at 6 afternoon.

1	D	David	pisc.	10	5	50		Windy weather
2	e	Chad	pisc.	25	New	●	☽'s setting	with drisling rain
3	f	☽ n. cap. Andr.	aries	9	7	A. 36		is expected at the
4	g	☽ n. prim. ♈	aries	24	8	56		□☍☿. begin-
5	a	☽ n. Au. pes An	taur.	8	10	16		ing of the month
6	b	Quinquagesima	taur.	23	11	34		△ ☉ ☍. also
7	c	☽ n. Aldebaran	gem.	7	12	48		some showers a-
8	d	Shrove-tuesday	gem.	25	0	M. 48		bout the 8 or 9.
9	e	Ash-wednesday	canc.	5	1	48		days, and 'tis ho-
10	f	Sol in Aries	canc.	18	2	40		ped moderate in
11	g	☽ n. Asellus	leo	2	3	20		respect of cold.
12	a	☽ n. Cor. Leonis	leo	15	3	53		Spring-like wea-
13	b	Quadragesima	leo	28	4	23		△☍☿. ther, with
14	c	☽ n. luc. in t. ♌	virg.	10	4	50		frequent showers
15	d	☽ n. caud leonis	virgo	23	5	13		of rain till after
16	e	Ember Week	libra	5	Full	○		♂ ☉ ♂. the Full
17	f	♄ ♒ 16	libra	17	7	A. 30		Moon, then some
18	g	☿ ♏ 27 R	libra	29	8	32	Moons Rising.	fairer weather is
19	a	♂ ♎ 6 R	scorp.	11	9	34		expected; yet a-
20	b	☉ Sun. in Lent	scorp.	23	10	34		bout the 20 day
21	c	♀ ♈ 7	sagit.	5	11	38		some brisk winds
22	d	☿ ♓ 18	sagit.	17	12	3		and storms of hail
23	e	☽ n. fin ma sag.	sagit.	29	0	M. 30		or rain; but the
24	f	☽ n. luc. lyræ	capri.	11	1	20		end of the month
25	g	Annunt. B. Mar.	capr.	24	2	3		'tis hoped, will
26	a	☽ n. fin. Hu. ♒	aqua.	7	2	40		☌ ☉ ♄. bring
27	b	☉ Sun. in Lent.	aqua	20	3	14		△☍☿. fair, dry
28	c	☽ n. Fomahaut	pisces	4	3	44		and seasonable
29	d	☽ n. Marchab.	pisces	18	4	12		☌ ♄ ♀. wea-
30	e	☽ cap. Andr.	aries	3	4	36		♂ ♂ ☿. ther.
31	f	☽ n. vent. Ceti	aries	18	New	●		Sun Eclip. int.

Saturn rises between 4 & 5 in the morning.
Jupiter at the beginning is South a little past 4 in the morning, at the end he is South between 2 & 3.
Mars is South about midnight.
Venus is hid under the Sun-beams.
Mercury riseth before the Sun.

English Acc.	Fore in Accom	Kom. Kalendar	Kom. Sts. Days								
1	11	G	Agapite	*putings, they who are for*	1	6	18	5	42
2	12	A	Gregorius	*direction ſpeak tenderly, &*	2	6	16	5	44
3	13	b	Euphraſia	*thoſe againſt it audaciouſ-*	3		14		46
4	14	C	Theodore	*ly. Alſo, as* Machiavel *notes*	4		12		48
5	15	D	Longinus	*when Princes, who ought*	5		10		50
6	16	E	Judica	*to be common Parents, ſide*	6		8		52
7	17	F	Gertrude	*with a Party, it is as a*	7		5		55
8	18	G	Edward	*Boat overthrown by une-*	8		3		57
9	19	a	Joſeph	*ven weight on one ſide, as*	9	6	1	5	59
10	20	b	Cuthbert	*was ſeen in the Time of*	10	5	55	6	1
11	21	C	Benedict	Hen. III. *of* France; *who*	11	5	57		3
12	22	D	Paulinus	*having made a League for*	12		55		5
13	23	E	Palm Sund.	*extirpation of the* Prote-	13		53		7
14	4	F	Quirinus	*ſtants, the ſame was turn'd*	14		51		9
15	25	G	Annun. B.M.	*upon himſelf. The ſame*	15		49		11
16	26	a	Caſtor	*hath lately been ſeen here*	16		47		13
17	27	b	Jo. Erem.	*in* England, *for when Au-*	17		45		15
18	28	C	Gideon	*thority of Princes is but*	18		43		17
19	29	D	Quintin.	*Acceſſary to a Cauſe, and*	19		41		19
20	30	E	Paſcha	*there are other Bands that*	20	5	39	6	21
21	31	F	Balbina	*tie faſter than that of So-*	21		37		23
22	April		Theodore	*vereignty, Kings begin to*	22		35		25
23	2	a	Mary Egypt	*loſe their Poſſeſſion. Alſo*	23		33		27
24	3	b	Richard	*when Diſcords, Quarrels*	24		31		29
25	4	C	Ambroſe	*and Factions are carried*	25	5	29	6	31
26	5	D	Vincent	*on openly and audaciouſly,*	26		26		34
27	6	E	Quaſimod.	*it is a great ſign the Re-*	27		24		36
28	7	F	Egeſippus	*verence of Government is*	28		22		38
29	8	G	Dionyſius	*loſt: For the Motions of*	29		20		40
30	9	a	Marrelb.	*the Greateſt Perſons in*	30	5	18	6	42
31	10	b	Leo, Pap.	*a fixt Government ought*	31		15		44

April hath xxx days.

☽ First quarter the 7 day, at 11 in the morning.
● Full Moon the 15 day, at 8 in the morning.
☽ Last quarter the 23 day, at 9 in the morning.
● New Moon the 30 day, at 1 in the morning.

1	♑	☽ n. aust. p. An.	taur.	3	8	A. 10				
2	♑	☽ n. Pleiades	taur.	18	9	34				Fair and windy at
3	♑	Mid-lent Sunday	gem.	3	10	48				the begin. but a-
4	♑	☽ n. Alhaiot.	gem.	17	11	4				bout the 5 or 6
5	♑	☽ n. Syrius	canc.	1	12	42				day Rain is expe-
6	♑	☽ n. Cast. & Po.	canc.	15	0	M. 42				cted, and so con-
7	♑	☽ n. Asellus	canc.	28	1	30				☌ ☉ ☿. tinues
8	♑	☽ n. Cor. leon	leo	12	2	0				✶ ♄ ☿. showry
9	♑	Sol in Taurus	leo	24	2	28				for some days, yet
10	♑	☽ Sun. in Lent	virg.	7	2	54				'tis hoped warm,
11	♑	☽ n. Cru. leonis	virgo	19	3	18				seasonable, and
12	♑	☽ n. Vindemiat	libr.	2	3	42				good spring wea
13	♑	☽ n. Spic. Vir.	libr.	14	4	6				ther, and about
14	♑	♄ ♒ 19.	libra	26	4	29				the 16 day some
15	♑	♃ ♏ 24 R.	scor.	8		Full	—	Moons Setting		brisk Winds with
16	♑	♂ ♏ 28 R.	scorp.	20	8	A. 4				Rain, afterwards
17	♑	Palm Sunday	sagit.	1	9	30				fair for some days,
18	♑	☿ ☌ 12	sagit.	3	10	26				yet with some
19	♑	☿ ☌ 10	sagit.	25	11	1				☌ ☉ ☿. brisk
20	♑	☽ n. caud. vult.	capr.	7	12	2				Winds, and about
21	♑	☽ n. lucid. vult.	capr.	20	0	M. 2				the 2 & 24 days
22	♑	☽ n. luc. in m. ♒	aqua	2	0	4				☌ ☿ ☿. some
23	♑	S. George	aqua.	15	1	15				□ ♄ ☿. drisling
24	♑	Easter day	aqua.	28	1	48				□ ♄ ♀. rain with
25	♑	St. Mark.	pisce.	12	2	18				☌ ♆ ☿. variable
26	♑	☽ n. cau. Cet. bor	pisc.	26	2	46				△ ☌ ♀. and un
27	♑	☽ cap. Androm	aries	11	3	12				☌ ☿ ♀. constant
28	♑	☽ n. first ✶ Ar.	aries	24	3	38				□ ☉ ♄. weather
29	♑	☽ n. aust. p. And.	taur.	11	4	6				to the end of the
30	♑	☽ n. Pleiades	taur.	26	New	●	—	Moons Rising		△ ☌ ♀. Month

April 1698.

Saturn rises between 2 and 3 morning.
Jupiter at the beginning is South about 2 morning, at the end he is South before 1.
Mars at the beginning is South between 10 and 11 at night, at the end before 9 at night.
Venus and *Mercury* are combust.

English Accom.	Forein. Accom.	Rom. Kalendar.	Rom. St. days						
1	11	c	Appolon	*to be as the Motions of*	1	5	14		46
2	12	d	July Bish	*Planets, under* Primum	2		1[illegible]		48
3	13	e	Misericord.	Mobile, *i.e. that they are*	3		10		50
4	14	f	Tiburtius	*all carried swiftly by the*	4		8		52
5	15	g	Perpetuus	*highest Motion, and so fly*	5		6		54
6	16	a	Isidorus	*swiftly in their own; and*	6		4		56
7	17	b	Osmond	*therefore when great ones*	7		2	5	58
8	18	c	Eluther	*move violently, it is a sign*	8	5	0	7	0
9	19	d	Alphage	*the Orbs are out of frame.*	9	4	58	7	2
10	20	e	Jubilate	*So when any of the great*	10	4	56		4
11	21	f	Adelanus	*Pillars of Government are*	11		54		6
12	22	g	Quintin	*shaken (which are Religi-*	12		52		8
13	23	a	S George	*on, Justice, Counsel, and*	13		50		10
14	24	b	Wilfride	*Treasure) Men had need*	14		48		12
15	25	c	S. Mark	*pray for fair Weather. But*	15		46	7	14
16	26	d	Cletus	*now let us speak 1. of the*	16		44		16
17	27	e	Cantate	*Materials of Sedition, 2.*	17		42		18
18	28	f	Vitalis	*of the Motives; Lastly,*	18		41		19
19	29	g	Pet. de Mill.	*of the Remedies.*	19		39		21
20	30	a	Josua	*1. Of the Materials.*	20	4	37		23
21	May.		Phil. & Jac.	*The surest way (if the*	21		36		24
22	2	c	Athanasius	*Times will bear it) is to*	22		34		26
23	3	d	Inv. Crucis	*take away the Matter;*	23		33		27
24	4	e	Rogat. Sund.	*for Fuel once prepared*	24		31		29
25	5	f	Gothard	*it is hard to tell whence the*	25		30	7	30
26	5	g	Jo. Port. Lat.	*Spark shall come that shall set it*	26		28		32
27	7	a	Juvenal	*on Fire. The Matter of Sedition*	27		26		34
28	8	b	Ascen. Dom.	*is of two Kinds, much Poverty and*	28		25		35
29	9	c	Epinach.	*much Discontentment. It is cer-*	29		23		37
30	10	d	Gordian	*tain; how many over-thrown E-*	30	4	21	7	39
				States; so many Votes for Troubles.					

☽ First quarter the 6 day at 10 at night.
● Full Moon the 14 day, at 3 quar. past 11 at night.
☾ Last Quarter the 22 day, at 8 night.
● New Moon the 29 day at 8 in the morn.

1	♉	S. Phil. & Ja.	gem	12	☽ A	34	Moons Setting.	Serene, hot wea-
2	☾	☽ n. dex. hu. Au.	gem.	27	10	30		☌ ☉ ♍. ther is
3	♊	☽ n. Canis maj.	canc.	1	11	24		expected at the
4	♇	☽ n. Cast. & P.	canc.	25	12	12		beginning of the
5	♈	☽ n. Aselli.	leo	8	☉ M.	2		month, then fol-
6	♌	☽ cor Leonis	leo	21	☉	41		lows windy wea-
7	♍	☽ n. luc terg leo.	virgo	4	1	2		△ ☉ ☌. ther, &
8	♉	2 Sun. past Eas.	virgo	16	1	3		probably ſome
9	☾	☽ n. Vindemiat	virgo	29	2			Thunder about
10	♊	Sol in Gemini	libr.	1	2	22		△ ♄ ☿. this
11	♍	Term begins	libr.	2	2	44		time, & ſhowers
12	♈	♄ ♒ 19	ſcorp.	4	3	6		of rain, with
13	♌	♍ ♏ 21	ſcorp.	16	3	28		ſome brisk cool-
14	♎	☌ ♐ 28	ſcorp.	28	Full ●			ing gales of wind
15	♉	3 Sun. paſt Eaſt.	ſagit.	10	8 A	2		about full Moon,
16	☾	☿ ♊ 16	ſagit.	22	9	18		then dry weather
17	♋	♀ ♊ 19	capr.	4	10			□ ☌ ♀. for few
18	♍	☽ n. caud. Vult.	capr.	16	10	42		days and cool for
19	♈	☽ n. ſuc. Vult.	capr.	29	11	20		△ ♄ ♀. the ſea-
20	♌	☽ n. Sin. hu. ♒	aquar.	12	11	52		ſon. with briſk
21	♎	☽ n. Fomahant	aquar.	24	12	16	Moons Rising.	winds, but about
22	♉	4 Sun. paſt Eaſt.	pisc.	8	☉ M.	1		the 24 day ſome
23	☾	☽ n. caud. Cet. b.	pisc.	2	☉	44		ſhowers of rain
24	♋	☽ n. cap. Andr.	aries	5	1	12		□ ♄ ♍. are ex
25	♍	☽ n. pr. ✶ Ariet	aries	20	1	40		pected, and ſo
26	♈	☽ n. au. p. Andr.	taur.	5	2	8		continues, with
27	♌	☽ n. Pleiades	taur.	20	2	38		ſome rain inter
28	♎	☽ n. Aldebaran.	gem.	5	3	8		mixt with blaſts
29	♉	K. Cha. II. Na. R.	gem.	2	New ●			of wind to the
30	☾	☽ n. Canis major	canc.	5	☽ A.	12		□ ☌ ♀. month
31	♊	☽ n. Cast. & Pol.	canc.	18	10			△ ☉ ♄. end.

Saturn *rises about* 1 *in the Morning.*
Jupiter *at the beginning is South at Mid-night; at the end he is South about* 10 *at Night.*
Mars *is South betwixt* 7 *and* 8 *at Night.*
Venus *and* Mercury *emerge from the Sun beams, and set a little after.*

English Account.	Forein Account.	Roman Kalendar.	Rom. Saints days						
1	11		Exaudi.	*Lucan* noteth well the ſtate	1	4	19	7	41
2	12	f	Nereus	of *Rome*, before the Civil Wars,	2		17		43
3	13	g	Servatius	*Hinc uſura vorax rapidumq;*	3		16		44
4	14	a	Boniface	*in tempore Fœnus, hinc con-*	4		14		46
5	15	b	Sophia	*cuſſa fides, et multis utile bel-*	5		12		48
6	16	c	Iſidorus	*lum.* This ſame *multis utile*	6		10		50
7	17	d	Iodocus	*bellum* is an aſſured ſign of a	7		9		51
8	18		Pentecoſt	ſtate diſpoſed to Seditions and	8		8		52
9	19	f	Sarah	Troubles: And if this pover-	9		6		54
10	20	g	Potentia	ty and broken Eſtate in the	10	4	5	7	55
11	21	a	Helena	better ſort, be joyn'd with a	11		3		57
12	22	b	Adelmus	Want and Neceſſity in the	12		2		58
13	23	c	Deſideri.	meaner People, the Danger	13		1		59
14	24	d	Eſther	is eminent and great; for, the	14	4	0	8	0
15	25		Trin. Sun.	Rebellions of the Belly are	15	3	59	8	1
16	26	f	Auguſtin	the worſt. As for diſcontent-	16	3	58		2
17	27	g	Beda V.	ments they are in the poli	17		57		3
18	28	a	Wilhelm	tick Body, like to Humours	18		56		4
19	29	b	Cor. Chr.	in the natural, which are apt	19		54		6
20	30	c	Fœlix	to gather præternatural heats,	20		53		7
21	31	d	Petronel	and to enflame. And let not	21		52		8
22			Sp. Tri.	Princes meaſure the danger of	22		51		9
23	2	f	Marcel.	them by this, whether they	23	3	50	8	10
24	3	g	Eraſmus	be juſt or unjuſt; for that	24		49		11
25	4	a	Petrochi.	were to imagine people to be	25		48		12
26	5	b	Boniface	too Reaſonable, who do of-	26		47		13
27	6	c	Claudius	ten ſpurn at their own good:	27		46		14
28	7	d	Paul Ep.	nor yet by this, whether the	28		45		15
29	8		Sp. Tri.	Griefs, whereupon they riſe,	29		45		
30	9	f	Barnius	be in Fact, great or ſmall:	30	5	44	8	16
31	10	g	Getulius		31		43	8	16

☽ First Quarter the 5th day at 10 in the morning.
● Full Moon the 13th day at 2 in the afternoon.
☾ Last Quarter the 21 day at 4 in the morning.
● New Moon the 27th day at 5 in the afternoon.

1	e	☽ n. Aſcilus	leo	4	10	A	43	☾'s ſetting.
2	f	Aſcenſ. Dom.	leo	17	11		12	
3	g	☽ n. cor leonis	virgo	0	11		36	
4	a	☽ n. cauda leon.	virgo	13	12		00	
5	b	6 Sun. p. Eaſter	virgo	26	0	M.	00	
6	c	Term ends	libra	8	0		24	
7	d	☽ n. ſpici virg.	libra	20	0		48	
8	e	☽ n. lanx Auſtr	ſcorp.	1	1		12	
9	f	☽ n. luc. col. ſer.	ſcorp.	13	1		36	
10	g	Sol in Cancer	ſcorp.	25	2		00	
11	a	St. Barnabas	ſagit.	7	2		26	
12	b	Whit. Sunday	ſagit.	19	3		00	
13	c	♄ ♒ 19 R.	capric.	1	Full		●	1 Moons riſing.
14	d	♃ ♑ 18 R.	capric.	14	8	A	40	
15	e	Ember Week	capric.	26	9		20	
16	f	♂ ♎ 10	aqua.	9	9		50	
17	g	♀ ♋ 25	aqua.	21	10		18	
18	a	☿ ♊ 29	piſces	4	10		42	
19	b	Trinity Sunday	piſces	18	11		06	
20	c	☽ n. Algenib.	aries	1	11		30	
21	d	☽ n. Cap. Andro	aries	15	11		54	
22	e	☽ n. prin. ✶ ♈	aries	29	12		20	
23	f	☽ n. Cap. Med.	taur.	14	0	M.	20	
24	g	St. John Bapt.	taur.	28	0		56	
25	a	Term begins	gem.	13	1		46	
26	b	1 Sun. p. Trin.	gem.	28	2		44	
27	c	☽ n. caſt. & poll.	canc.	13	New		●	
28	d	☽ n. Aſcilus	canc.	28	8	A	32	☽'s ſetting.
29	e	St. Peter.	leo	12	9		04	
30	f	☽ n. cor. leonis	leo	26	9		32	

☌ ☿ ☿ windy and ſhowry Weather for ſome days, afterwards an □ ☌ ☿ increaſe of heat is expected; and about the 10th day ſome briſk cooling gales of Wind, followed △ ♃ ☿ with ſhowers ☌ ☉ ☿ about the Full Moon, then follows fair and hot Weather for ſeveral days, and ſo continues without much alteration till about the 23d or 24th day, which produce ſome ſhowers of rain which being paſt, then fair, □ ☉ ☌ and hot weather is expected for the moſt part of the month with △ ☉ ☿ ſome cooling gales of Wind at the end.

Saturn *at the beginning riſeth between* 11 *and* 12; *at the end he riſeth between* 9 *and* 10 *at Night.* Jupiter *at the beginning is South between* 9 *and* 10 *at Night; at the end he is South between* 7 *and* 8 *at Night.* Mars *ſets about Midnight.* Venus *and* Mercury *at the beginning ſet after the Sun; but* Mercury *preſently goeth to Combuſtion.*

English Account.	Forein Account.	Roman Kalendar.	Ro. Saints day								
1	11	a	St. Barna.	for they are the moſt dange-	1	3	44	8	16
2	12	b	Anthony	Diſcontentments where the	2		43		17
3	13	c	Cyrillus	fear is greater than the diſ-	3		43		17
4	14	d	Baſilius	eaſe. *Dolendi modus, Timendi non item.* Beſides, in	4		42		18
5	15		☉ 3 S.p.Trin		5		42		18
6	16	f	Rulandus	in great Oppreſſions, the	6		42		18
7	17	g	Botolph	ſame things that provoke	7		42		18
8	18	a	Marcus	the Patience, do withal ani-	8		41		19
9	19	b	Gervaſe	mate the Courage: But in	9		41		19
10	20	c	Edward	Fears it is not ſo; neither let	10		41		19
11	21	d	Walburg	any Prince or State be ſecure	11	3	41	8	19
12	22		☉ 4 S.p.Trin	concerning Diſcontentments	12		41		19
13	23	f	Baſilius	becauſe they have been of-	13		41		19
14	24	g	St.Jo.Bapt	ten, or have been long, and	14		41		19
15	25	a	Elogius	no peril hath enſued; for as	15		42		18
16	26	b	Jo. and Pa.	it is true that every vapour	16		42		18
17	27	c	Creſcens	or fume doth not turn into	17		42		18
18	28	d	Leo P.	a Storm, ſo is it nevertheleſs	18		42		18
19	29		☉ St. Peter	true, that Storms, tho' they	19		43		17
20	30	f	Com. Paul	blow over divers times, yet	20	3	43	8	17
21			Tr.Sirith	may fall at laſt; and as the	21		44		16
22	2	a	Viſit V.M.	*Spaniſh* Proverb noteth well	22		44		16
23	3	b	Kenelme	the Cord breaketh at the laſt	23		44		16
24	4	c	Ulricus	by the weakeſt pull. The	24		45		15
25	5	d	Zoa. Virg.	cauſes and motives of Sedi-	25	3	45	8	15
26	6		☉ 5 S.p.Trin	tions are Innovations in Re	26		46		14
27	7	f	Demetrius	ligion; Taxes, Alterations	27		47		13
28	8	g	Grimbald	of Laws, and Cuſtomes, brea-	28		48		12
29	9	a	Cyril Ep.	king of Priviledges, general	29		49		11
30	10	b	Sept. Frat.		30	3	50		10

☾ First Quarter the 5th dsy at 1 in the morning.
● Full Moon the 13th day at 4 in the morning.
☾ Last Quarter the 20th day at 8 in the morning.
● New Moon the 27th day betwixt 1 and 2 in the morning.

1	g	☽ n.luc.inter. ♌	virg.	9	9	A	56	Moons setting.
2	a	☽ n. caud. leo.	virg.	21	10		20	
3	b	☉ Sun. p. Trin.	libra	3	10		40	
4	c	☽ n. Spica vir.	libra	16	11		00	
5	d	☽ n.lanx. Auſt.	libra	28	11		20	
6	e	☽ n.lanx.Boreal.	ſcorp.	10	11		48	
7	f	☽ n. ſin.ma.op.	ſcorp.	22	12		20	
8	g	☽ n. cor. ſcorp.	ſagit.	4	0	M	20	
9	a	☽ n.dex.hu.op.	ſagit.	16	1		00	
10	b	☉ Sun. p. Trin.	ſagit.	28	1		45	
11	c	☽ n. caud.vult	capr.	10	2		40	
12	d	Sol in Leo	capr.	23	3		40	
13	e	Term Ends	aqua.	5	Full			
14	f	☽ n. ſin. hu. ♒	aqua.	18	8	A	18	1 Moons riſing
15	g	St. Swirhin	piſces	1	8		44	
16	a	☽ n. Marchab.	piſces	15	9		8	
17	b	☉ Sun. p. Trin.	piſces	28	9		32	
18	c	♄ ♒ 17 R.	aries	12	9		56	
19	d	☿ ♍ 18	aries	26	10		26	
20	e	♂ ♎ 27	taur.	9	11		00	
21	f	♀ ♐ 5	taur.	24	11		38	
22	g	☿ ♋ 28	gem.	8	12		24	
23	a	☾ n. dex.hu.au.	gem.	23	0	M	24	
24	b	☉ Sun. p. Trin.	canc.	7	1		20	
25	c		canc.	22	2		26	
26	d	☽ n. Aſellus	leo.	6	3		42	
27	e	☽ n. Cor. Leo.	leo	20	New			1 Moons ſetting.
28	f	☽ n.luc. Ter. ♌	virgo	3	8	A	00	
29	g	☽ n. Cau. Leon	virgo	17	8		24	
30	a	☽ n. Vindem.	virgo	29	8		44	
31	b	☉ Sun. p. Trin.	libra	12	9		00	

Fair and Hot weither at the beginning ☌ ♄ ♃ which continues for ſome days; but about the ☐ ♃ ☿ 7th day expect ♂ ♄ ☿ ſome ſhowers of Rain ✱ ♂ ♀ with Wind; alſo ſome driſling rain about the ☐ ♄ ♃ Full Moon, and ſome miſts or driſling rain about the 15th day; then 'tis △ ♃ ♀ hoped we may have ſeaſonable and goodweather for ſeveral days, and no great alteration, except ☐ ♂ ☿ ſome miſty mornings or driſling ſhowers, till about the New Moon; then we may expect both Wind and Rain, with cool driſling ♂ ☉ ♄ to the end ☐ ☉ ♃ of the month. ✱ ♃ ☿ ♂ ☿.

JULY, 1698.

Saturn *at the end of the Month is South at midnight.*
Jupiter *sets about* 11 *at Night.*
Mars *sets about* 10 *at Night.*
Venus *sets after the Sun.*
Mercury *rises before the Sun.*

English Account.	Forein Account.	Roman Kalendar.	Rom. Saints days								
1	11	c	Benedict	Oppreſſion, advancment of	1	3	51	8	9
2	12	d	Henricus	unworthy Perſons, Stran-	2		52		8
3	13	e	7 S.p.Trin.	gers, Dearths, disbanding	3		53		7
4	14	f	Bonavent	Soldiers. Factions grown deſ-	4		54		6
5	15	g	Swithin	perate, and whatſoever in	5		55		5
6	16	a	Kenelm	offending People joyns and	6		56		4
7	17	b	Alexius	knits 'em together in a com-	7		58		2
8	18	c	Arnolph	mon Cauſe. For the Remedy	8	3	59		1
9	19	d	Ruffinus	there may be ſome general	9	4	0	8	0
10	20	e	8 S.p.Trin.	preſervatives whereof I ſhall	10	4	1	7	59
11	21	f	Praxeda	ſpeak; but as for the juſt	11		3	7	57
12	22	g	Mary Mag.	Cure, it muſt anſwer to the	12		5		55
13	23	a	Apollin	particular Diſeaſe, and ſo be	13		6		53
14	24	b	Chriſtiana	leſt to Counſel rather than	14		7		53
15	25	c	St. James	Rule. The firſt remedy or	15		5		51
16	26	d	Anna	prevention is, to remove by	16		10		50
17	27	e	9 S.p.Trin.	all means poſſible, that ma-	17		11		49
18	28	f	Panthal	terial Cauſe of Sedition,	18		12		48
19	29	g	Fœlix	which is, Want, and Poverty	19		14		46
20	30	a	Abdon	in the Eſtate; to which pur-	20	4	16	7	44
21	31	b	German	poſe ſerveth the opening	21		17		43
22			Lammas	and well ballancing of Trade	22		19		41
23	2	d	Stephen	the cheriſhing of Manufa-	23		20		40
24	3	e	10 S.p.Tri.	ctures, the baniſhing of Idle-	24		22		38
25	4	f	Ariſtarch.	neſs, the repreſſing of Waſt	25		24		36
26	5	g	Felic. Niuis	and Exceſs by ſumptuary	26		25		35
27	6	a	Sixtus	Laws, the improvement and	27		27		33
28	7	b	Afra	husbanding the Soil, the re	28		29		31
29	8	c	Ladiſlaus	gulating the prizes of things	29		31		29
30	9	d	Julian	vendible, the moderating of	30	4	33	7	27
31	10	e	11 S.p.Tri.		31		15		25

☽ First Quarter the 3d day at 6 in the afternoon.
● Full Moon the 11th day at 3 in the afternoon.
☾ Laſt Quarter the 18th day at 2 in the afternoon.
● New Moon the 25th day at 1 in the afternoon.

1	c	Lammas	libra	24	9	A	28	Moons ſetting.	☐ ♃ ☿ ♂ ☉ ☿
2	d	☽ n. lanx.auſtr.	ſcorp.	6	9		54		Some ſhowers of rain
3	e	☽ n. lanx. bor.	ſcorp.	18	10		24		about the 3d or 4th
4	f	☽n. cor.ſcorpio	ſagit.	0	10		56		days, afterwards fair
5	g	☽n.dex.gen.op.	ſagit.	12	11		38		for ſome days,and 'tis
6	a	☽n.ſin ma.ſagit	ſagit.	24	12		30		hoped may continue
7	b	☿ Sun. p.Trin.	capr.	6	0	M	30		till towards the Full
8	c	♄ ♒ 15 R.	capr.	18	1		30		Moon; then we may
9	d	♃ ♍ 19 D.	aqua.	1	2		34		expect ſome driſling
10	e	S. Lawrence	aqua.	14	3		40		✶ ♂ ☿ Rain, and
11	f	♂ ♍ 10	aqua.	27	Full		☽		continues ſhowry for
12	g	Sol in Virgo	piſces	11	7	A	18		ſome days, with ſome
13	a	♀ ♎ 4	piſces	24	7		42		briſk winds and rain;
14	b	☿ Sun. p.Trin.	aries	8	8		06		✶ ♃ ☿ alſo about
15	c	☿ ♍ 16	aries	22	8		32		☐ ♄ ♂ the 17th or
16	d	☽ n.auſ.pe.and.	taur.	6	9		2		18th days, then 'tis
17	e	☽ n.Pleiades	taur.	20	9		38		hoped we may have
18	f	☽ n. Aldebaran	gem.	5	10		24		△ ♄ ♀ ſeaſonable
19	g	☽ n. Alhaiot	gem.	19	11		20		and good Weather
20	a	☽ n. canis maj.	canc.	3	12		24		for ſeveral days, and
21	b	☿ Sun. p. Trin.	canc.	17	0	M	24		that it may continue
22	c	☽ n.Aſellus	leo	1	1		34		without much alter-
23	d	☽ n. cap.leonis	leo	15	2		48		ation till towards the
24	e	St. Bartholo.	leo	28	4		2		end ♂ ♃ ♂ of the
25	f	☽ n.luc.in te.♌	virgo	12	New		●		month, which is ex-
26	g	☽ n.caud,leonis	virgo	25	6	A	54		pected to bring both
27	a	☽n.Vindemiat.	libra	7	7		20		wind and Rain.
28	b	☿ Sun. p.Trin.	libra	20	7		44		
29	c	☽ n.Spica virgi	ſcorp.	2	8		8		
30	d	☽ n. lanx bor.	ſcorp.	14	8		32		
31	e	☽ n. cor. ſcorp.	ſcorp.	26	9	M	00		

Moons ſetting. 1 Moons riſing. 1 Moons ſetting.

Saturn *at the beginning is South between* 11 *and* 12 *at Night; at the end he is South before* 10.
Jupiter *and Mars at the end of the month set near together, between* 8 *and* 9 *at Night.*
Venus *sets after the Sun,* ☿ *at the beginning is Combust, at the end he sets after the Sun.*

English Account.	Forein Account.	Roman Kalendar.	Rom. Saints days.							
1	11	f	Tiburtius	Taxes and Tributes and the	1	4	37	7	23
2	12	g	Clara V.	like. Generally it is to be	2		39		21
3	13	a	Hippolitus	foreseen, that the Populati	3		41		19
4	14	b	Eusebius	on of a Kingdom (especially	4		42		18
5	15	c	Assu. V.M.	if it be not mow'd down by	5		44		16
6	16	d	Rochus.	Wars) do not exceed the	6		46		14
7	17	e	12 S.p.Tri.	stock of the Kingdom, which	7		48		12
8	18	f	Helena	should maintain them. Nei-	8		50		10
9	19	g	Clintan R.	ther is the Population to be	9		52		8
10	20	a	Bernard	reckoned only by number;	10	4	54		6
11	21	b	Privatus	for a smaller number that	11		56		4
12	22	c	Timothy	spend more and earn less, do	12		58	7	2
13	23	d	Donatus	wear out an Estate sooner	13	5	0	7	0
14	24	e	St. Bartho.	than a greater number that	14	5	1	6	59
15	25	f	Ludovicus	live lower and gather more	15		3	6	57
16	26	g	Severin	Therefore the multiplying	16		5		55
17	27	a	Ruffus	of Nobility, and other de-	17		7		53
18	28	b	Augustin	grees of Quality, in an over	18		8		52
19	29	c	Decol. J. Ba.	proportion to the common	19		10		50
20	30	d	Fælix	People, doth speedily bring	20	5	12	6	48
21	31	e	14 S.p.Tri.	a State to necessity. It is	21		14		46
22	Sept.	f	Ægidius	likewise to be remembred,	22		16		44
23	2	g	Anthony	that the encrease of any E-	23		18		42
24	3	a	Mamert	state must be upon Foreig-	24		20		40
25	4	b	Theodosia	ners, (for, whatsoever is	25		22		38
26	5	c	Bertinus	somewhere gotten, is some-	26		24		36
27	6	d	Eugenius	where lost.) There are but	27		26		34
28	7	e	15 S.p.Tri.	three things which one Na-	28		28		32
29	8	f	Nat. V.M.	tion selleth unto another,	29		31		29
30	9	g	Gorgon	*viz.* The Commodity as Na-	30	5	33	6	27
31	10	a	Sofronius		31	5	35	6	25

☽ First Quarter the 2d day at 1 in the afternoon.
● Full Moon the 10th day at 2 in the morning.
☾ Last Quarter the 16th day at 8 at night.
● New Moon the 24th day at 4 in the morning.

1	f	☽ n. Cap. hercut.	sagit.	8	9	A	38	Moons setting.	Windy Weather
2	g	☽ n. dex. hu. op.	sagit.	20	10		30		△ ♄ ☿ with rain be-
3	a	☽ n. sin. ma. sag.	capric.	2	11		20		gins the month, and
4		☽ Sum p. Trin	capr.	1+	12		14		so continues ✱ ☉ ♃
5	c	☽ n. luc. vult.	capr.	26	0	M	14		Rough and Turbu-
6	d	♄ ♒ 14 R.	aqua.	9	1		14		lent weather, with
7	e	♃ ♍ 24	aqua.	22	2		28		some drifling rain a-
8	f	♂ ♍ 28	pisces	6	3		44		bout the 7th day, and
9	g	☿ ♍ 06	pisces	19	5		00		showers also about
10	a	☿ ♎ 24	aries	04	Full		●		the Full Moon; and
11		☽ Sum p. Trin	aries	18	6	A	40		other-whiles some
12	c	Sol in Libra.	taur.	2	7		12		brisk gales of Wind;
13	d	☽ n. Cap. Medu.	taur.	17	7		50		and frequent showers
14	e	☾ n. Aldebar.	gem.	2	8		37		of rain □ ♄ ☿ are
15	f	☽ n. Alhaiot	gem.	16	9		30		expected till after the
16	g	☽ n. dex. hu. au.	canc.	0	10		31		last quarter; the
17	a	☽ n. Cast. & P.	canc.	14	11		35		'tis ✱ ☉ ♂ hope
18		☽ Sum p. Trin	canc.	27	12		44		we may have some
19	c	☽ n. Asellus	leo	11	0	M	44		more seasonable and
20	d	☽ n. Cor. Leo.	leo	24	1		54		fair Weather, and that
21	e	St. Matthew.	virgo	7	3		4		it may continue with
22	f	Ember Week	virgo	20	4		14		out much alteration
23	g	☽ n. Vindem.	libr.	3	5		24		till after the new moon
24	a	☽ n. Spica vir.	libra	16	New		●		△ ☉ ♄ But about
25		☽ Sum p. Trin	libra	28	6	A	8		☌ ♃ ☿ the 27th the
26	c	☽ n. lanx. Aust.	scorp.	10	6		38		expect some rough
27	d	☽ n. lanx. Bor.	scorp.	22	7		10		✱ ♃ ♂ Winds and
28	e	☽ n. cor. scorp.	sagit	4	7		46		Storms, then good
29	f	St. Michael	sagit	16	8		32		weather to the end of
30	g	☽ n. sin. ma. sa.	sagit	28	9		24		the month.

Moons rising.

Saturn *is South about* 9 *at Night.*
Jupiter *and* Venus *at the end ſet near together, about* 7 *of the clock at Night.*
Mars *ſets a little after them.*
Mercury *follows the Sun, ſetting a little after him.*

English Account.	Forein Account.	Roman Kalendar	Rom. Saints days							
1	11	b	Maurice	ture yieldeth it, the Manu-	1	5	38	6	22
2	12	c	Maximin.	facture, and the Carriage;	2		40		20
3	13	d	Amatus	ſo that, if theſe three wheels	3		42		18
4	14	e	16 p. Trin.	go, Wealth will flow as in a	4		44		16
5	15	f	Nicomed	Spring-tide. And it cometh	5		46		14
6	16	g	Edith.	many times to paſs, that	6		48		12
7	17	a	Lambert	*Materiam ſuperabit Opus,*	7		50		10
8	18	b	Vict. & Cor	the Work and Carriage are	8		52		8
9	19	c	Januar.	more worth than the Mate-	9		54		6
10	20	d	Euſtace	rials, and enrich a State	10	5	56		4
11	21	e	St. Matth.	more; as is notably ſeen in	11		58	6	2
12	22	f	Muritius	the Low-Country *Men*, who	12	6	06	0	
13	23		Tecla virg.	have the beſt *Mines* above	13	6	25	58	
14	24	a	Rupertus	ground in the World. A-	14		45	56	
15	25	b	Cleophas	bove all things good Policy	15		6	54	
16	26	c	Cyprian	is to be uſed, that the Trea-	16		8	52	
17	27	d	Judith	ſure and Money in a State	17		10	50	
18	28	e	18 p. Trin.	be not gathered into few	18		12	48	
19	29	f	St. Michael	hands; for otherwiſe, a State	19		14	46	
20	30	g	Hierom.	may have a great ſtock, and	20	6	16	5	44
21	Oct.		Remigius	yet ſtarve; for *Money* is like	21		18		42
22	2	b	Leodegar	Manure, not good except it	22		20		40
23	3	c	Candidus	be ſpread. This is done by	23		22		38
24	4	d	Franciſcus	ſuppreſſing, or, at the leaſt,	24		24		36
25	5	e	19 p. Trin.	keeping a ſtreight hand up-	25		26		34
26	6	f	Fides	on the devouring Trades of	26		28		32
27	7	g	Marcus &c.	Uſury, Ingroſſing, *&c.*	27		30		30
28	8	a	Pelagia	For removing diſcontent-	28		32		28
29	9	b	Dionyſius	ment, or, at the leaſt, the	29	6	34	5	26
30	10	c	Gideon	dan-	30	6	35	5	25

☽ First quarter the 2d day at 8 in the morning.
○ Full Moon the 9th day at noon.
☽ Last quarter the 16th day at 3 in the morning.
● New Moon the 23d day at 9 at night.

1	a	☽ n. cauda vult.	capr.	10	10	A	20	Moons Setting.
2	♏	15 Sun. p. Trin.	capr.	22	11		16	
3	c	☽ n. lucid vult.	aqua.	4	12		17	
4	d	☽ n. fin. Hu. ♒	aqua.	17	0	M	17	
5	e	☽ n. Fomahant	piſces	0	1		24	
6	f	☽ n. Marchab.	piſces	14	2		34	
7	g	☽ n. caud. cet Bo.	piſces	28	3		48	
8	a	☽ n. cap. And.	aries	12	5		6	
9	♏	16 Sun. p. Trin	aries	27	Full		☾	
10	c	☽ n. cap. Meduſ.	taur.	12	5	A	50	Moons Riſing.
11	d	☽ n. Pleiades	taur.	27	6		40	
12	e	☽ n. Aldebaran	gem.	11	7		30	
13	f	Sol in Scorpio	gem.	26	8		25	
14	g	☽ n. Canis Maj.	canc.	10	9		30	
15	a	☽ n. Caſt. & Po.	canc.	24	10		41	
16	♏	17 Sun. p. Trin.	leo	8	12		00	
17	c		leo	21	0	M	00	
18	d	St. Luke	virgo	4	1		4	
19	e	♄. ♒, 13. D.	virgo	17	2		11	
20	f	♃. ♐. 1.	libra	0	3		18	
21	g	♂. ♍ 0.	libra	12	4		26	
22	a	♀. ♐. 26.	libra	24	5		32	
23	♏	18 Sun. p. Tr.	ſcorp.	6	New		●	
24	c	Term begins	ſcorp.	18	5	A	18	Moons Setting.
25	d	Criſpin	ſagit.	0	6		0c	
26	e	☿. ♎. 24. D.	ſagit.	12	6		42	
27	f	☽ n. dex. hu. op.	ſagit.	24	7		24	
28	g	Sr. Sim. and Jud.	capr.	6	8		1c	
29	a	☽ n. caud. vult.	capr.	18	9		?	
30	♏	19 Sun. p. Trin	aqua.	0	10		1c	
31	c	☾ n. Marchab.	aqua.	13	11		12	

Some miſty mornings and driſling rain at the beginning with ſome miſts or driſling rain about the 5th day alſo; then ſome fair weather is expected for ſome days; ☌ ☉ ☿ But about the ✱ ♄ ♀ Full Moon begins Showry, and ✱ ♂ ☿ Windy Weather, and ſo is expected to continue till after the laſt Quarter; it is hoped we may have ſome fair and good Weather, yet ſome miſty mornings, and about the New Moon expect ſome ſhowers of rain, followed with ſome □ ♄ ☉ ſharp Winds and froſty Mornings about this time; and at the end of the Month ſome miſts or driſling rain.

Saturn *at the beginning is South about* 8 *at Night, and sets betwixt* 12 *and* 1; *at the end he sets between* 10 *and* 11 *at Night.* Jupiter *sets a little after the Sun;* Venus *a little after* Jupiter, *and* Mars *a little after* Venus. Mercury *at the beginning goeth to Combustion; at the end he rises before the Sun.*

English Account.	Forein Account.	Rom. Kalendar.	Rom. Saints days							
1	11	d	Burchard	danger of them, there is in	1	6	37	5	23
2	12	e	20 p. Trin.	every State two portions of	2		38		22
3	13	f	Telemach	Subjects, the Nobles, and	3		40		20
4	14	g	Calixtus	the Commonalty. When	4		42		18
5	15	a	Wolfrang	one of these is discontented	5		44		16
6	16	b	Gallus	the danger is not great; for	6		46		14
7	17	c	Wolfian	common people are of slow	7		48		12
8	18	d	St. Luke	motion if they be not exci-	8		50		10
9	19	e	21 p. Trin.	ted by the greater sort; and	9		52		8
10	20	f	Wendelin	the greater sort are not of	10		54		6
11	21	g	40 Vir. Ma.	strength of themselves, un-	11		56		4
12	22	a	Cordula	less the multitude be apt and	12	6	58	5	2
13	23	b	Roman	ready to move. Then this	13	7	0	5	0
14	24	c	Salome	is the danger, when the	14		2	4	58
15	25	d	Crispin	greater sort do but wait for	15		4		56
16	26	e	22 p. Trin.	the troubling of the Waters	16		6		54
17	27	f	Victoria	amongst the meaner, that	17		8		52
18	28	g	St. Si. & Ju.	then they may declare them-	18		10		50
19	29	a	Narcissus	selves. The Poets feign,	19		12		48
20	30	b	German	that the rest of the Gods	20	7	14		46
21	31	c	Wolfgang	wou'd have bound Jupiter,	21		1[illegible]	4	44
22	Nov.		All Saints	which he hearing of, by the	22		18		42
23	2	e	23 p. Trin.	Counsel of *Pallas*, sent for	23		20		40
24	3	f	Theophilus	*Briareus*, with his hundred	24		22		38
25	4	g	Amantius	hands, to come in to his Aid.	25		24		36
26	5	a	Petronel	An Emblem, no doubt, to	26		2[illegible]		34
27	6	b	Leonard	shew how safe it is for Mo-	27		28		32
28	7	c	Florent	narchs to make sure of the	28		30		30
29	8	d	Severus	good will of common people	29		32		28
30	9	e	24 p. Trin.	The part of *Epimetheus*	30	7	34	4	26
31	10	f	Martin P.	might	31		36		24

November hath xxx Days.

☽ First Quarter the first day at 1 in the morning.
Full Moon the 7th day at 10 at night.
☾ Last Quarter the 14th day at 3 in the afternoon.
● New Moon the 22d day at 3 in the afternoon.
☽ First Quarter the 30th day at 4 in the afternoon.

1	D	All Saints	aqua	25	12		20	Moons setting.
2	e	All Souls	pisces	8	0	M	20	
3	f	☽ n. Caud cet. B.	pisces	22	1		30	
4	g	☽ n. cap. Andro	aries	6	2		45	
5	a	Gunpowder Plot	aries	20	4		00	
6	♋	20 Sun. p. Trin.	taur.	5	5		20	
7	c	☽ n. Pleiades	taur.	20	Full		●	
8	d	☽ n. Aldebaran	gem.	5	5	A	6	
9	e	☽ n. Alhaiot	gem.	20	6		6	
10	f	☽ n. canis maj.	canc.	5	7		10	
11	g	Martinmass day	canc.	20	8		18	
12	a	Sol in Sagittary	leo	4	9		30	
13	♋	21 Sun. p. Trin.	leo	18	10		48	Moons rising.
14	c	☽ n. luc. terg. ♌	virgo	1	12		00	
15	d	☽ n. caud. leonis	virgo	14	0	M	00	
16	e	♄ ♒ 14	virgo	27	1		2	
17	f	♃ ♐ 8	libra	9	2		6	
18	g	♂ ♑ 21	libra	21	3		8	
19	a	♀ ♑ 25	scorp.	3	4		10	
20	♋	22 Sun. p. Trin.	scorp.	15	5		12	
21	c	☿ ♐ 4	scorp.	27	6		14	
22	d	☽ n. cor. scorp	sagit.	9	New		●	
23	e	☽ n. dex. hu op.	sagit.	21	5	A	00	
24	f	☽ n. sin. ma. sag.	capr.	3	5		48	☾'s setting.
25	g	☽ n. caud. vult.	capr.	15	6		46	
26	a	☽ n. luc. vult.	capr.	27	7		48	
27	♋	Advent Sunday	aqua.	9	8		50	
28	c	Term ends	aqua.	22	9		56	
29	d	☽ n. Fomahaut	pisces	4	11		04	
30	e	St. Andrew	pisces	17	12		14	

High Wind, with drifling Rain begins the month, and continues windy and moist; rough and tur[illegible] ☌ ♂ ☿ bulent till after the Full □ ♄ [illegible] Moon ✱ ♀ ☿ ✱ ♂ ☿ Now 'tis hoped the weather may prove more moderate, with some light Frosts, and otherwhiles somelight storms of Rain or Snow, and moderate for the season; but ☌ ♃ ☉ about the 21st day expect wind bringing moisture and plenty thereof. Afterwards ☌ ♃ ☿ some light Frosts, followed ♃ ☉ ♄ with old cloudy and close weather ♄ ☿ ther, with wind and drifling rain or snow at the end.

Saturn *sets between 9 and 10 at Night.*
Jupiter *goeth to Combustion.*
Mars *and* Venus *set very near together all this month, near 7 at Night.*
Mercury *riseth before the Sun.*

English Account.	Forein Account.	Roman Kalendar	Rom. Saints days.								
1	11	g	Martin Ep.	might well become *Prometheus*,	1	7	38	4	22
2	12	a	Cunibert	in the case of Discontentments	2		39		21
3	13	b	Brice	for there is not a better Provi-	3		41		19
4	14	c	Frederic	on against them. *Epimetheus*,	4		43		17
5	15	d	Leopold	when Griefs and Evils flew a-	5		45		15
6	16			broad, at last shut down the co-	6		46		14
7	17	g	Hugo	ver, and kept Hope in the bot-	7		48		12
8	18	a	Oct. Mart.	tom of the Vessel. Certainly	8		49		11
9	19	b	Elizabeth	the Politick and Artificial nou-	9		51	4	9
10	20	c	Edmond R.	rishing and entertaining of	10		52		8
11	21	d	Oblat. V. M	Hopes, and carrying Men from	11		54		6
12	22	e	Cæcilia	Hopes to Hopes, is one of the	12		55		5
13	23			best Antidotes against the Poy-	13		57		3
14	24	g	Chrisogon	son of Discontentments: And	14		58		2
15	25	a	Catherin	it is a certain sign of a wise	15	8	0	4	0
16	26	b	Conradus	Government and Proceeding,	16	8	1	3	59
17	27	c	Agricola	when it can hold Mens Hearts	17		3	3	57
18	28	d	Ruffus	by Hopes, when it cannot by	18		4		56
19	29	e	Saturnius	Satisfaction; and when it can	19		6		54
20	30	f		handle things in such manner	20		7		53
21			Advent	as no Evil shall appear so per-	21		8		52
22	2	g	Longinus	emptory, but that it hath some	22		9		51
23	3	a	Libanius	outlet of Hope; which is the	23		10		50
24	4	b	Cassian.	less hard to do, because both	24		11		49
25	5	c	Barbara	particular Persons and Factions	25	8	12	3	48
26	6	d	Sabina	are apt enough to flatter them-	26		13		47
27	7	e	Nicholas	selves, or, at the least, to brave	27		14		46
28	8	f		that which they believe not	28		15		45
29	9	g	Con. V. M	Also the fore-sight and preven-	29		15		45
30	10	a	Cyprian	tion that there be no likely or	30	8	16	3	44
		g	Miltiades	fit Head for discontented Per-					
				sons to resort unto, and under-					
				whom they may joyn, is a known					
				but an excellent point of Cau-					
				tion. By a fit Head is understood,					
				one that hath Greatness and Re-					
				putation; that hath confidence					
				with the discontented Party,					
				and					

December hath xxxi Days.

- Full Moon the 7th day at 8 in the morning.
- Last Quarter the 14th day at 5 in the morning.
- New Moon the 22d day at 11 in the morning.
- First Quarter the 30th day at 4 in the morning.

1	f	☽ n. caud. cet	aries	0	0	M	14	Moons setting.	Wind and Moisture
2	g	☽ n. cap andr.	aries	14	1		28		♂ ☉ ☿ at the begin-
3	a	☽ n. prim. ♈ ari.	aries	29	2		43		ning, then fair and
4	♿	2 Sun. Advent	taur.	13	4		00		frosty for some days
5	c	☽ n. Pleiades	taur.	28	5		18		which is followed with
6	d	☽ n. Alhaiot	gem.	14	6		36		high Winds, which
7	e	☽ n. dex. H. Au.	gem.	29	Full		●		may probably produce
8	f	☽ n. canis ma.	canc.	14	5	A	44		some Snow or drisling
9	g	☽ n. Cast. Poll.	canc.	29	7		00		Rain about the 7th
10	a	☽ n. Asellus	leo	13	8		16		or 8th days; then fol-
11	♑	3 Sun. Advent	leo	28	9		36		lows dark Cloudy and
12	c	☉ in Capric.	virg.	10	10		4		close Weather ✱ ♃ ☿
13	d	☽ n. caud. leon.	virgo	23	11		46		for several days, with
14	e	Ember Week	libr.	6	12		52		some black Frosts
15	f	♄ ♒ 17	libr.	18	0	M	52		But about the 17th or
16	g	♃ ♐ 14	scor.	0	1		56		18th days we ✱ ♃ ☿
17	a	♂ ♒ 14	scor.	12	3		00		may expect high
18	♑	4 Sun. Advent	scor.	24	4		4		Winds, with Snow or
19	c	☿ ♒ 17	sagit.	6	5		6		cold Rain, which
20	d	♀ ♑ 20	sagit.	18	6		0		♃ ♄ ☿ followed ♂ ♄
21	e	St. Thomas	capr.	0	6		48		♂ ♂ ☿ with Frost
22	f	☽ n. caud. vult.	capr.	12	New		●	Moons setting.	but about the 25th
23	g	☽ n. luc. vult	capr.	24	5	A	32		or 26th days, mist
24	a	☽ n. sin. hu. ♒	aqua.	6	6		30		Weather, foggy and
25	♑	Nativ. Christ	aqua.	19	7		12		yielding; yet the Frost
26	c	St. Stephen	pisces	1	8		38		returns, and may pro-
27	d	St. John	pisces	14	9		48		bably continue to the
28	e	Innocents	pisces	27	11		00		end of the Month.
29	f	☽ n. cap. andr.	aries	10	12		10		
30	g	☽ n. pri. ♈ aries	aries	24	0	M	10		
31	a	☽ n. Au. Pe. And.	taur.	7	1		20		

Saturn, Mars, *and* Venus. *towards the end of the Month, set very near together, betwixt 6 and 7 at Night.* Jupiter *emergeth from under the Sun beams, and riseth before him.* Mercury *at the beginning is Combust, at the end he sets after the Sun, and may be seen.*

English Account.	Forein Account.	Roman Kalendar	Rom. Saints days.								
1	11	b	Damasus	and upon whom they turn their Eyes: And that is thought discontented in his own particular; which kind of Persons are either to be won and reconciled to the State, and that in a fast and true manner, or to be fronted with some other of the same Party that may oppose them, and so divide the Reputation: generally, and breaking of all Factions and Combinations that are adverse to the State; and setting them at distance, or, at least, distrust among themselves, is not one of the worst Remedies; for it is a desperate Case if those that hold with the Proceedings of the State be full of Discord, Animosity and Faction, and those that are against it be entire and united. It hath been noted, that some witty and sharp Speeches, which have fallen from Princes, have given fire to Sedition. *Cæsar* did himself infinite hurt in that Speech, *Sylla nescivit literas, non potuit dictare*; for it did utterly cut off that Hope which men had entertain'd, that he would one time or other give over his Dictatorship. *Galba* undid himself by that Speech, *Legi à se militem non emi*; for it put the Soldiers out of hope of the *Donative*. *Probus* likewise by that Speech, *Si vixero non opus erit amplius Romano Imperio militibus*; a Speech of great Dispare to the Soldiers, *&c.*	1	8	16	3	44
2	12	c	Elfred		2		17		43
3	13	d	Lucia V.		3		17		43
4	14	e	2 S.Advent		4		18		42
5	15	f	Abraham		5		18		42
6	16	g	Anani a:		6		18		42
7	17	a	Lazarus		7		18		42
8	18	b	Bernardus		8		19		41
9	19	c	Loth		9		19		41
10	20	d	Julian		10		19		41
11	21	e	St. Thoma:		11	8	19	3	41
12	22	f	30 Mart.		12		19		41
13	23	g	Victor		13		19		41
14	24	a	Adam & E.		14		19		41
15	25	b	Christmas		15		18		42
16	26	c	St. Stephe:		16		18		42
17	27	d	St. John		17		18		42
18	28	e	Innocents		18		17		43
19	29	f	Jonathan		19		17		43
20	30	g	David		20	8	16	3	44
21	31	a	Silvester		21		16		44
22	Jan. 99	b	Circumci.		22		15		45
23	2	b	Abel		23		15		45
24	3	c	Enoch		24		14		46
25	4	d	Methusal.		25		13		47
26	5	e	Simeon		26		13		47
27	6	f	Epiphany		27		12		48
28	7	g	Julian		28		11		49
29	8	a	Erhardus		29		10		50
30	9	b	Marcellus		30	8	9	3	51
31	10	c	Agathus		31	8	8	3	52

A TABLE ſhewing how many Years purchaſe a Leaſe or Annuity (to endure for any number of Years under 33) is worth preſently, at Intereſt upon Intereſt, at Six in the Hundred; and ſhewing plainly how to diſcount any Leaſe in being, and the value of the Reverſion after any number of Years.

Years of a Leaſe.	Years.	Months.	10th parts.
1	0	11	0
2	1	9	9
3	2	8	1
4	3	5	9
5	4	2	5
6	4	11	1
7	5	7	0
8	6	2	7
9	6	9	9
10	7	4	3
11	7	10	7
12	8	4	6
13	8	10	3
14	9	3	6
15	9	8	5
16	10	1	2

The Uſe and Explanation of the TABLE.

The firſt Column towards the left Hand ſheweth the Years of a Leaſe, or Annuity, and right againſt each Year, is the Years, Months, and Tenth Parts of a Months purchaſe, that ſuch a Leaſe or Annuity is worth. Example:

Suppoſe a Leaſe or Annuity to continus 12 Years, and you would know how many Years purchaſe it is worth in preſent Mony, look in the Table for Twelve Years of a Leaſe to the left Hand, and againſt the ſame you ſhall find 8, 4, 6, which ſheweth that ſuch a Leaſe is worth 8 Years, 4 Months, and 6 Tenth parts of a Months Purchaſe.

Years of a Leaſe.	Years.	Months.	10th parts.
17	10	5	8
18	10	9	3
19	11	1	9
20	11	5	7
21	11	9	3
22	12	0	5
23	12	3	6
24	12	6	6
25	12	9	4
26	13	0	0
27	13	2	5
28	13	4	9
29	13	7	1
30	13	9	2
31	13	11	1
32	14	1	3

AGAIN:

If you are to take or buy the Reverſion of any Leaſe or Annuity, work thus; Suppoſe the Leaſe to be Thirty Years in all, you find in the Second Table and Right Hand againſt Thirty 13 Years, 9 Months, and 2 Tenth Parts of a Months Purchaſe; this it were worth were it in preſent Poſſeſſion. But ſuppoſe there be a Leaſe of five Years (more or leſs) before you commence, look in the Table againſt the five Years, and there you find four Years, two Months, and 5 Tenth parts of a Months purchaſe. Take this out of the Sum againſt Thirty, which is, 13, 9, 2, the Remainder is, 9, 6, 7, which is 9 Years, 6 Months, and 7 Tenth Parts of a Month; and ſo much is the Reverſion after five Years worth, the Remainder of Thirty Years.

This is Uſeful and very Eaſie.

SAUNDER, 1698.

The Second Part.

Containing the Eclipſes; the Suns Quarterly Ingreſſes, the Southing of the ſeven Stars for every 5th. day of this Year: With directions for finding the Riſing, Southing, and Setting of ſeveral Fixed Stars; Alſo Rules and Tables for the meaſuring of Board, Glaſs, Pavements, or other Superficial meaſure; as alſo to Meaſure Timber; And other things worth Obſervation.

The Characters of the Twelve Signs.

♈ Aries, ♉ Taurus, ♊ Gemini, ♋ Cancer, ♌ Leo, ♍ Virgo, ♎ Libra, ♏ Scorpio, ♐ Sagittary, ♑ Capricorn, ♒ Aquarius, ♓ Piſces.

The Characters of the Planets, with the Dragons Head and Tail, ♄ Saturn, ♃ Jupiter, ♂ Mars, ☉ Sol, ♀ Venus, ☿ Mercury, ☽ Moon, ☊ Dragons Head, ☋ Dragons Tail.

The Aſpects.

☌ Conjunction, ⚹ Sextile, □ Quartile, △ Trine, ☍ Oppoſition

A Brief Chronology of Memorable things, to this Year, 1698.

The Creation of the World	5646
Noahs Flood	3991
The deſtruction of Sodom and Gomorrah	3600
The deſtruction of Troy	2880
Brute entred this Iſland	2805
The Building of *London*	2805
The Building of *York*	2687
The Building of *Leiceſter*	2641

	The building of *Canterbury*	2590
	The building of *Stamford*	2561
	The building of *Rome*	2450
	The deſtruction of *Jeruſalem* by *T. Veſp.*	1611
	England firſt received the Chriſtian Faith	1518
	The Tower of *London* built	1133
	Duke *William* conquered *England*	632
	Weſtminſter Hall was built	599
	The Bible divided into Chapters	503
	The Invention of Guns	320
	The Art of Printing	238
	St. *Pauls* Steeple fired by Lightning	137
	New Star in *Caſſiopeia*	125
	A great Snow fell *Feb.* 4.	120
	Tilbury Camp on St. *James*'s day	110
	A Plague in *London*, whereof dyed 30598	94
	Gunpowder Treaſon, *November* 5.	93
Since	A great Snow, and *Smithfield* paved	82
Since	A great Plague in *London*, whereof dyed 35418	75
Since	The Long Parliament began, *November* 3.	50
Since	King *Charles* the Firſt was Murdered	50
Since	Two Comets appeared in *December* and *March*	34
Since	The doleful Plague that followed them	33
Since	*London* was burnt, *September* 2, 3, 4, 5	32
Since	The laſt great Snow	25
Since	The wonderful Comet in *December*	18
Since	A Comet in *Auguſt*	16
Since	The terrible Fire in *Wapping*, *November* 19.	15
Since	A great Earthquake, *October* the 6th	15
Since	The laſt great Froſt	14
Since	The Rebellion in the *Weſt*	13
Since	The ſeven Biſhops ſent to the Tower, *June*	10
Since	The Prince of *Orange* Landed, *November* 5.	10
Since	King *William* went to *Ireland* with an Army, *June*	8
Since	The *French* Fleet beaten by the *Engliſh* and *Dutch*, &c.	6
Since	Our Moſt Gracious Queen *Mary* Dyed, *Dec.* 28.	4
Since	The Horrid Conſpiracy to Aſſaſſinate His Majeſty King *William*, and to bring in the *French*, was happily diſc.	0

Of the Eclipses this Year 1698.

THere will happen this Year, to the Inhabitants of this *Terraqueous Planet* whereon we live, only Two Eclipses of the *Sun*, and no Eclipse of the *Moon* this Year; and though these Eclipses of the *Sun* be both of them very great, yet neither of them will be seen in *England*.

The first of these Eclipses will be *March* 31. between 6 and 7 of the Clock at Night; and by Reason of the *Moons* Parallax in Longitude, the *Sun* will set before any Eclipse can begin to us. But it will appear a very great Eclipse in all the middle parts of *America*; *viz.* In that part called *Terra firma*; also in *Peru*, *Hispania Nova*, and in the Islands of *Cuba*, *Jamaica*, *Hispaniola*, *Barbadoes*, &c.

The second Eclipse happeneth *September* 24. about 4 of the Clock in the Morning, and therefore invisible unto us; but will appear very great in the *East-Indies*, about *Malabar*, *Coromandel*, &c. also in *Hollandia Nova*; but it will appear the greatest about *Malacca*, the Islands of *Sumatra*, *Java*, *Borneo*, *Celebes*, &c.

As to the Effects of Eclipses, 'tis said, That an Eclipse of the *Sun* in ♈ *ultimo denario*, *Tristitiam*, *& luctum affert mortalibus*, *magnæque mulieris obitum*, *& ad hæc pecudum perniciem minitatur*: And that an Eclipse of the *Sun* in ♎ *decem mediis gradibus magni Regis mortem*, *seditiones*, *& famem portendit*. But 'tis hoped that these Eclipses not being visible to us, we shall be little concerned in their effects. Thus much of Eclipses.

Of the Inequality of Natural Days.

ALthough there hath in this later Age been great Improvement both in *Astronomy* and in *Mechanick Motions* (which nevertheless might have been sooner expected; seeing that such Ingenuous Hints have so long since been given to the World concerning the *Long Pendulum*, and other *Mechanick Motions*, by that *Lyncean* Philosopher, and incomparable Mathematician, *Galilæus Galilæus* of *Florence*, in his *System of the World*, and his *Mechanicks* Published about 70 Years since,) yet the inequality of Natural Days is not so well adjusted as might be wished; for our Country-Men, *Wing*, *Street*, and *Greenwood*, sometimes seem to admit only of the inequality arising from

the difference of Right Aſcenſion of the Equinoctial and Zodiack; other whiles they admit an inequality in the Daily Revolutions of the Earth upon her own Axis; which Inequality ſeemeth not to be duely conſidered and accounted for. I ſhall give a Hint from the aforeſaid *Galilæan* his *Syſtem of the World*: His words are, " That it not being poſſible to ſeparate the " Moon from the Earth, about which, without diſpute, it re- " volveth in a Month, let us remember that the Terreſtrial " Globe, accompanyed by the Moon, goeth along the Circum- " ference of the Grand Orb about the Sun in a Year, in which " time the Moon revolveth about the Earth almoſt 13 times; " from which Revolution it followeth, That the ſaid Moon is " found ſometimes near the Sun; that is, when it is between " the Sun and the Earth; and ſometimes much more remote; " that is, when the Earth is ſituate between the Moon and Sun; " near, in a word, at the time of Conjunction or Change; " remote in its Full and Oppoſition; and the greateſt Vicinity " differs from the leaſt the Quantity of the Diameter of the " Lunar Orb. Now if it be true, that the Vertue which mo- " veth the Earth and Moon, about the Sun, be always main- " tained in the ſame vigour; and if it be true, that the ſame " Moveable moved by the ſame Vertue, but in Circles unequal, " do in ſhorter times paſs like Arches of leſſer Circles, it muſt " needs be granted, that the Moon when it is at a leſs diſtance " from the Sun, that is in the time of Conjunction, paſſeth " greater Arches of the Grand Orb, than when it is at a " greater diſtance, that is in its Oppoſition or Full: And this " Lunar Inequality muſt of neceſſity be imparted to the Earth " alſo; for if we ſhould ſuppoſe a Right Line produced from " the Center of the Sun, to the Center of the Terreſtrial " Globe, this ſhall be the Semidiameter of the Grand Orb, in " which the Earth, in caſe it were alone, would move uni- " formly; but if in the ſame Semidiameter, we ſhould place " another Body to be carried about, placing it one while be- " tween the Earth and Sun, and another while beyond the " Earth, at a greater diſtance from the Sun, it is neceſſary that " in this ſecond Caſe the Motion common to both, according " to the Circumference of the Great Orb, by means of the di- " ſtance of the Moon, do prove a little ſlower than in the other " Caſe, when the Moon is between the Earth and Sun; that is,

" at

" at a leſſer diſtance. This he compares with the Lead or Plummets uſed in the Ballancing of Clocks, which by being placed farther from the Center, do make the Vibrations leſs frequent. From hence he concludeth an Irregularity of the Motion of the Earth in the Grand Orb, proceeding from the Moon; which Irregularity hath therefore its Monthly Periods and Returns; ſaying, *That therefore the Earth and Moon in running through the Zodiack; that is, round the Grand Orb; do ſomewhat accelerate at the Moons Change, and retard at its Full, ought not to be doubted.* In another place he ſaith, *That although Aſtronomy in the Courſes of many Ages, hath made a great progreſs in diſcovering the Conſtitutions and Motions of the Cæleſtial Bodies, yet it is not hitherto arrived at that height, but that very many things remain undicided, and haply many others alſo undiſcovered.* Theſe Diſcourſes are in his Fourth Dialogue of his *Syſtem of the World*, which treateth chiefly of the Ebbing and Flowing of the Sea; wherein he hath certainly given the beſt Account of the Tides that I have hitherto met with, both in reſpect to the Diurnal, Monthly, and Annual Variations, or Returns.

Now, after conſideration of what hath been ſaid concerning the Earths Annual Motion being (by the *Moon*) ſometimes accelerated and ſometimes retarded, I have fancied, that ſurely the Earths Diurnal Motion muſt neceſſarily be ſometimes accelerated and ſometimes retarded, by the *Moons Perigæon* and *Apogæon*; for the *Moon* being (in ſome meaſure) to the Earth, as the Pendulum or Ballance to the Clock: When ſhe is in her *Perigæon*, the Pendulum or Ballance is as it were ſhortened, and thereby the Diurnal Motion accelerated: But on the contrary, when in *Apogæon*, 'tis like lengthening the Pendulum or Ballance, whereby the Diurnal Motion is retarded. Now whether or not there ariſeth from hence any Irregularity ſo conſiderable as to be eaſily diſcovered, muſt be left to the Obſervations of the Accurate *Aſtronomers*, and other Curious Meaſurers of Time. But the Periods or Returns of this inequality are here Monthly, as in the other mentioned by *Galilæus*, in the Annual Motion of the Earth. I have not room to enlarge upon this matter, but ſhall leave it to the Conſideration of the Curious, *&c.*

Of the Four Quarters of the Year, and first of the Spring.

THE *Spring* Quarter begins *March* the 10th at 0 hours, 9′. 3″. in the Morning, the *Sun* then appearing at the entrance into *Aries*, maketh equal Day and Night to all the Inhabitants of the Earth, (except under the *Poles.*) Now the Air obtains an equal Temper, whence the Pores of the Earth are relaxed, and a generative, vivifying Fume evaporating, ascendeth by the Cold and Chilified Roots of Herbs and Plants, and produceth their Vegetable Life.

The nature of this Quarter is generally hot and moist; which if it should prove otherwise, it bringeth sudden strange Diseases, and noxious Distempers: Such persons as are naturally Melancholly, enjoy their Healths the best this Quarter; the Sanguine the contrary. Age is vivacious and lively; Youth and Childhood inclinable to many Distempers, those being most dangerous which proceed from putrified and corrupted Blood.

In the Month of *March* use such Meats or Medicines as purge and sweeten the Blood. In *April* you may freely bleed if there be occasion, and also bathe or purge. Now drink moderately, because 'tis more dangerous now than at any time of the Year; and forbear salt meats. In *May* you may take gentle Physick to purge the Body or Blood if there be occasion, or open a Vein. Now 'tis wholsome to drink Clarified Whey. Drink but little Wine; and forbear such Meats as are of a hot Quality. Thus much for the *Spring.*

Of Summer.

Summer Quarter begins *June* 11. at 2 ho. 51′. 38″. in the morning, at which time the *Sun* appearing at the Entrance into the Tropical sign *Cancer*, maketh his greatest Septentrional Declination, and causeth thereby the longest Day and shortest Night, to all on this side the Equator.

The Natural Constitution of this Quarter is hot and dry, sympathizing with Choler and Manhood; persons of Phlegmatick Constitutions are best in Health this Quarter; the Cholerick the contrary. Now antient People revive, but young People languish because they abound with Blood and Choler, and are thereby much exposed to Feavers. In the Month of *June* use not such Meats as ingender raw, crude and moist Humours. Now a Cup of White-Wine taken Fasting purges Choler,

Choler, and offensive Humours from the Stomach. Eat moderately, and such Meats as are easily concocted. In *July* beware of Bleeding or Purging, unless there be great necessity. In this and the next Month, beware of such Meats as ingender Melancholly; and of taking Cold.

Of Autumn.

THis Quarter begins *September* 12. at 5h. 56'. 31". Afternoon, the Earth then entring *Aries*, or the Sun *Libra*, doth again make equal Day and Night. This Quarter is Naturally cold and dry resembling Melancholly. Youth is now lively; persons of moist and phlegmatick Constitutions are now best in Health, the Melancholly the contrary. In *September* eat moderately of all such Meats and Fruits as your Stomach desires; for they are now in their vigour and perfection. In this Month and the next Month, you may bleed or purge if there be occasion; but in *November* Melancholly increaseth and Blood decreaseth. Bathing now is not good. Salt or powdered Meats may be eaten now without prejudice. Roasted meats, and Wild Fowl, are now held to be very good and wholsome. In this Quarter beware of taking Cold.

Of Winter.

WInter Quarter this Year beginneth *December* 11. at 6 hours 9'. 54". in the morning, the *Sun* appearing at the entrance into *Capricorn*, maketh our shortest Day and longest Night. This Quarter Naturally is cold and moist: Young and Cholerick People are now best in Health, but Aged and Phlegmatick People the contrary. In *December* Melancholly and Phlegm do much increase. It is now good to keep warm, and to eat such meats as are of a hot Quality. 'Tis not now good to bleed or purge unless there be great occasion; to drink Wine sometimes, and to use Spices in your Diet is very good. The same observe in *January*. In *February* you may take Pills to purge the Head. Bathe or Bleed if there be occasion.

To find the Rising, Southing and Setting, of several fixed Stars hereafter mentioned.

IN the Tables following you have first the seven Stars Southing for every fifth day: in the second Table is set the difference betwixt the Southing of those Stars therein named, and the seven Stars, which being added to the time of the seven Stars Southing,

giveth theirs. In the same Table is also set their semidiurnal Arches thereby to find the rising and setting of the said Stars. Suppose it is required to know what time the great Dog-star called *Syrius* will be South the 11th. of *February*? I then find the Seven Stars South at 5 ho. 10 min. to which I add 3 ho. 2 min. the difference annexed to the great Dog-Star, and it makes 8 ho. 12 min. being the time of its Southing the said 11th. of *February*. If to the Southing you add the Semidiurnal Arch 4 ho. 31 min. it gives the time of its setting at 12 ho. 43 min. but if you substract the Semi-diurnal Arch from the Southing it leaveth the time of its rising. The like may be done by any other of the said Stars.

For the better distinction of the several sizes of Stars they are divided into six several magnitudes, The biggest and brightest Stars are call'ed Stars of the first Magnitude. Those one size inferiour in light, and bigness are called Stars of the second Magnitude, &c. Now for the better knowing the Stars hereafter mentioned, Note, that the great Dog-star, Lions Heart, Virgins Spike, and the bright star of *Lyra*, are accounted stars of the first magnitude, so are also *Aldebaran* and *Arcturus*, but they are Red stars much of the colour of *Mars*, all the rest in the Table are of the second magnitude, except the Northern and Southern *Asses*, which are small Stars being of the fourth magnitude.

A Table shewing the Hour and minute of the Seven Stars coming to South, every 5th day of this year, 1698.

Moneths	Dayes of the Moneth. 1		6		11		16		21		26	
	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.
January	7	A 57	7	A 36	7	A 14	6	A 53	6	A 32	6	A 12
February	5	A 45	5	29	5	10	4	51	4	32	4	14
March	4	A 0	3	41	3	23	3	4	2	46	2	28
April	2	A 7	1	48	1	30	1	11	0	52	0	34
May	0	A 14	11	M 54	11	M 34	11	M 14	10	M 53	10	M 33
June	10	M 8	9	47	9	26	9	6	8	45	8	25
July	8	M 5	7	45	7	24	7	4	6	45	6	25
August	6	M 3	5	45	5	26	5	8	4	49	4	31
September	4	M 10	3	52	3	34	3	17	3	0	2	41
October	2	M 22	2	3	1	44	1	25	1	5	0	46
November	0	M 2	0	2	11	A 39	11	A 16	10	A 54	10	32
December	10	A 11	9	A 49	9	26	0	4	8	41	8	20

A Table

A Table ſhewing the difference in hours and minutes between the coming to ſouth of ſeveral fixed ſtars, and the ſeven ſtars, as alſo their ſemi-diurnal Arches thereby to find their riſing and ſetting.

Names of the Stars.	Diff. ſouth.	Semid. Arches	Names of the Stars.	Diff. ſouth.	Semid. Arches
	h. m.	h. m.		h. m.	h. m.
Aldebaran B.eye	0 49	7 28	Lions heart, Baſil.	6 23	7 13
2d.in Orions Girdle	1 51	5 54	Virgins Spike	9 40	5 9
Gr. Dog. Syrius	3 7	4 31	Arcturus	10 32	8 0
Caſtor 1ſt.head ♊	3 46	9 47	South ballance	11 5	4 40
Lit.Dog.Procyon	3 54	6 32	North ballance	11 31	5 16
Pollux,2d.head ♊	3 57	9 4	Northern Crown	11 52	8 55
Northern Aſſ.	4 56	8 12	bright ✱ Lyræ	14 57	ſets not
Southern Aſſ.	4 58	7 49	bright ✱ Vulturis	16 6	6 42

Here followeth ſome few Rules, and Tables, for the menſuration of Superficies and Solids.

FOr the Menſuration of ſuperficial or flat meaſures, ſuch as Board, Glaſs, Pavement, Hangings, &c. it will be neceſſary to know how to meaſure any plain ſuperficial figure, as the Square, Long-ſquare, or Parellelogram, Triangle, Circle, parts of the Circle, &c. examples of all which do here follow.

I. *How to meaſure a Square.*

Let there be a ſquare floor, or pavement, the ſides whereof are each of them 5 feet 6 inches, and 'tis required to know how many ſquare, or ſuperficial feet are contained therein. Firſt (a good plain way to avoid Fractions will be to) Reduce the whole ſide into inches, 5 feet, 6 inches, being 66 inches, multiply 66 by 66, and the Product will be 4356, the ſuperficial content in inches; then divide 4356 by 144 (the ſquare inches in one foot) and the quotient will be 30 feet, and 36 inches remaining, which is the number of inches in one quarter of a foot; ſo that in ſuch a ſquare is contained 30 feet and one quarter. See the Margin.

	66
	66
	396
	396
	4356
	4356
	144
	(30
	432
	36

II. *To*

II. *To measure the Long-square or Parallelogram.*

Suppose there be a Pavement whose length is 72 feet, and breadth 12 feet, how many feet is contained therein.

Multiply 72 in length, by 12 the breadth, and the product will be 864, and so many superficial feet are contained in that Pavement.

72
12
144
72
864

III. *To Measure a Long Superficies, which is broader at one end than at the other.*

Let there be a superficies whose length is 72 inches, the breadth of the greater end 50 inches, and the breadth of the lesser end 34 inches, and let it be required to know how many feet are contained therein. First, add the breadths of both the ends together, which maketh 84, take half thereof, which is 42, which being multiplyed by 72 the length, the product will be 3024 the content in inches, which being divided by 144 (the inches in one foot) the Quotient will be 21 feet, and nothing remaining, so that there is exactly 21 feet in such a superficies.

72
42
144
288
3024
144
288 (21
144

IV. *How to measure Triangles.*

All Right lined Triangles are measured by this general Rule.

Multiply half the length of the Base by the whole Perpendicular. Or, the whole length of the Base by half of the Perpendicular.

Suppose the Base of a Triangle be 44, and the Perpendicular 26, what is the Content.

Multiply 44 (the Base) by 13, (half the perpendicular) the Product will be 572 : Or 22 (half the Base) being multiplyed by 26, (the whole perpendicular) the Product will be 572, as before, which is the Content of such a Triangle.

V. All *Trapezias*, or Figures with four unequal sides; also Multangular, or many sided irregular Figures, must be divided into Triangles, and those Triangles measured as before is taught, and their sums added together will give the content of such irregular Figures. And note, that the least number of Triangles, into which any plot or irregular figure may be reduced, will be less by two than the number of the sides of such irregular figures.

VI. *How to measure Circles, and parts of Circles.*

The Diameter of every Circle hath such proportion to the circumference of the same Circle as 7 hath to 22. Therefore the

e Diameter being given to find the circumference, you muſt ultiply the Diameter by 22, and the product being divided y 7, the Quotient will be the circumference. Thus, ſuppoſe e Diameter of a Circle be 14, multiply 14 by 22, the pro-uct will be 308, which being divided by 7, the Quotient is 44, ing the circumference of that Circle whoſe Diameter is 14.

Having the Circumference to find the Diameter.

Multiply the circumference given by 7, the product divide y 22. and the Quotient will be the Diameter. Let the cir-mference of a circle be 60, multiply 60 by 7 the product ill be 420, which being divided by 22, the Quotient will be 9, and $\frac{2}{3}$ or $\frac{1}{11}$ which is the Diameter.

To find the Area or Superficial content of a Circle. Multi-ly half the circumference by half the Diameter, the product s the content of the Circle: Thus, Let the circumference be 0, the half whereof is 30, and the Diameter 19 $\frac{2}{3}$ the half hereof is $9\frac{1}{3}\frac{2}{3}$, by which multiplying 30, the product will be $286\frac{4}{11}$ which is the ſuperficial content of ſuch a Circle; or,

By the Diameter to find the Area of the circle. Firſt, ſquare e Diameter, multiply the ſquare by 11, and divide the pro-uct by 14, the Quotient is the ſuperficial content of the circle. Let the Diameter be as above $19\frac{4}{11}$ the ſquare whereof is $364\frac{5}{121}$ this multiplied by 11 produceth $4009\frac{4}{11}$ which being ivided by 14 the Quotient is $286\frac{4}{11}$ as above, being the ſuper-icial content of ſuch a circle.

To meaſure the ſuperficial content of half the circle, the uarter of a circle, or of any other ſection of a circle, more or ſs, having the ſemidiameter given.

Multiply half of the compaſs thereof by the ſemidiameter of e circle, ſo ſhall you have the content.

Of the Menſuration of Solids.

AS Plain or Superficial Meaſure conſiſteth of two dimenſi-ons, namely, length and breadth; ſo Solid meaſure conſiſt-th of three dimenſions, namely, length, breadth and thickneſs.

To meaſure any kind of Timber, either Square, Triangular, Round, or of any other Faſhion, provided it be ſtraight and equal all along.

Caſt up the ſuperficial Content at the end thereof, by the ules before going, for the finding the Content of the Square, riangle, Circle, *&c.* which Superficial Content being multi-plyed

plyed by the length of the Piece, will give you the Solid Co
tent thereof. *Example.* Let there be a piece of Timber, (
other ſolid matter) whoſe breadth is 18 inches, its depth i
inches, and length 142 inches, to find how many ſolid feet a
contained therein. Firſt, multiply the breadth 18 by the dep
13, the product is 234, being the ſuperficial inches at the en
of the piece. Secondly, multiply this 234 by 142 the leng
of the piece, and the product will be 33228, the ſolid Conte
in inches. Thirdly, divide 33228 by 1728, (being the number o
cubical inches in one ſolid foot) and the quotient will be 19, an
396 inches remaining, which is 19 ſolid feet, and almoſt on
quarter of a foot, and ſo much is the ſolid content of ſuch a piece

A 2d Example of a round piece. Let there be a round piece o
Timber whoſe compaſs is 60 inches, and the length 20 feet, (o
240 inches) and let it be required to find the ſolid conten
thereof. Firſt, by the help of the circumference 60, find the Diame
ter (as before is taught) by multiplying 60 by 7, and dividing th
product thereof by 22, ſo ſhall you find the Diameter to be $19\frac{1}{11}$
Then by either of the ways before taught, *viz.* by multiplying
the circumference by $\frac{1}{4}$ the Diameter; or by (ſquaring, or) mul
tiplying the Diameter in it ſelf, and multiplying that ſquare by
11, and dividing the product by 14, the ſuperficial content of the
end of ſuch a piece will be found to be $286\frac{4}{11}$ inches. Now multi
ply this $286\frac{4}{11}$ by the length of the piece 240, and the produc
will be $68727\frac{3}{11}$ the content in inches, which being divided by
1728, the quotient will be 39 feet, and $\frac{3}{4}$ of a foot, and $39\frac{3}{11}$ inch
remaining, which is the ſolid content of ſuch a piece of Timber.
But had this piece of Timber been meaſured by that egregiouſly
falſe way of taking $\frac{1}{4}$ part of the Girt for the ſide of the ſquare e-
qual, it would have been found to be but 31 feet and $\frac{1}{2}$ of a foot,
which is above $\frac{1}{4}$ part leſs than the truth, it being 39 feet, & above $\frac{1}{4}$

In behalf of that erroneous way many do plead, that in round
Timber there is great loſs in chipping to bring it near a ſquare,
therefore that way may be allowed; but this is very unequal:
in great Timber there being little loſs, in ſmall Timber much,
let therefore the quality be conſidered, rather than make ſuch
unequal amends by a falſe quantity.

Of the Menſuration of Tapering Timber, either round or ſquared, ſuch as Fruſtums of Cones and Pyramids.

FIrſt find the ſuperficial Area of each end of the piece, and
multiplie the one Area by the other. Secondly, out of
the

he product of the two Area's, extract the Square Root. Thirdly, add this Root and the two Area's all into one sum. Laſtly, multiply this ſum by one third part of the length of the piece, and that product ſhall give you the Content.

Let there be a piece of Timber whoſe Circumference at the greater end is 66 inches, at the leſſer end 44 inches, and the length 20 feet, and it is required to find how many ſolid feet are contained therein. Firſt, the Area of the Circle at the greater end (by multiplying half the Circumference 33 by half the Diameter 10½) will be found to be 346½, and the Area of the Circle at the leſſer end will be 154: Theſe multiplyed together do produce 53361. Secondly, out of this product extract the Square Root, which is 231, (for 231 being multiplyed in itſelf produceth 53361). Thirdly, add the two Areas, and the Square Root 231 together, and the ſum of them will be 731½. Laſtly, multiply 731½ by 80 inches, (one third part of the length) and the product will be 58520, being the ſolid inches contained therein, which inches being divided by 1728, the Quotient will be 33 feet, and 1496 inches remaining, which is 3 quarters of a foot, and almoſt half a quarter.

To find the Content of Tapering Timber, other wayes than is taught above.

Theſe pieces being parts of Cones or Pyramids, their Contents may be found by ſeeking the Content of the whole Cone or Pyramid, (of which they are part) and the Content of that part which is wanting, for that part being ſubſtracted from the whole, the remainder muſt be the Content of the part required.

Now the way to find the content of a Cone or Pyramid is, to multiply the ſuperficial Content of the Baſe by one third part of the length; and to find the length of the top part of a Cone or Pyramid which is wanting; ſay thus, As the difference of the ſides, or Diameters of the two ends, to the length between them; ſo is the ſide, or Diameter of the greater end, to the whole length. *Example*, of the piece before mentioned, whoſe greater end is 66 inches about, and the leſſer end 44; hence the Diameter of the greater end will be 21, and the Diameter of the leſſer end will be 14, and their difference is 7, therefore ſay, If 7 give 20 feet what will 21 give? Anſwer, 60 feet; being the whole length of the Cone: Now the ſuperficial content

content of the Base of this Cone, (being 346½ inches) multiplyed by 240 inches, (one third part of the length of the whole Cone) produceth 83160 inches, the content of the whole Cone. And the superficial content of the lesser end, (which is the Base, of the top (or wanting) part of the Cone) which is 154 being multiplyed by 160, (one third part of the length of the top (or wanting) part) produceth 24640 inches, the content of the wanting part, which being substracted from 83160, (the content of the whole Cone) the remainder is 58520 inches, the content of the part required, being the same as before.

Here followeth Tables ready calculated, for the Measuring of Squared or Round Timber, which is supposed to be equal all along: Their use is thus, seek the side of the Squared, or compass of the Round Timber, in the first, third or fifth column of the Tables, and against it, in the next column you have the length of a solid foot. Thus, the side of a squared piece of Timber being 20 inches, the length of a solid foot will be 4 inches and 3 tenth parts of an inch: And the compass of a round piece, being 80 inches the length of a solid foot will be found to be 3 inches, and 39 hundredth parts of an Inch.

A Table, shewing how much in length will make a Solid foot of any Square Stone or Timber: The side of the Square being given in Inches, from one inch to 36 inches square.

Side of the Square.	Length of a solid foot.			Side of the Square.	Length of a solid foot.		Side of the Square.	Length of a solid foot.	
Inch.	Fe.	Inc.	10ths	Inch.	Inc.	10th.	Inch.	Inc.	10th.
1	144	0	0	13	10	2	25	2	8
2	36	0	0	14	8	8	26	2	6
3	16	0	0	15	7	6	27	2	3
4	9	0	0	16	6	7	28	2	2
5	5	9	2	17	5	9	29	2	1
6	4	0	0	18	5	3	30	1	9
7	2	11	2	19	4	8	31	1	8
8	2	3	0	20	4	3	32	1	7
9	1	9	3	21	3	9	33	1	6
10	1	5	3	22	3	5	34	1	5
11	1	2	3	23	3	3	35	1	4
12	1	0	0	24	3	0	36	1	3

A Table

A Table ſhewing how many inches in length will make a foot ſolid, of any round piece of Timber or Stone, the Girt being known, from 12 inches compaſs to 100.

Com.	len. of a foot		Com.	len. of a foot		Com.	len. of a foot	
Inch.	Inch.	100 p.	Inch.	Inch.	100 p.	Inch.	Inch.	100 p.
11	179	46	41	12	92	71	4	31
12	150	80	42	12	31	72	4	20
13	128	49	43	11	74	73	4	08
14	110	79	44	11	31	74	3	97
15	94	31	45	10	72	75	3	86
16	84	82	46	10	26	76	3	76
17	75	14	47	9	83	77	3	66
18	67	02	48	9	42	78	3	57
19	60	15	49	9	04	79	3	48
20	54	29	50	8	69	80	3	39
21	49	23	51	8	35	81	3	31
22	44	86	52	8	03	82	3	23
23	40	90	53	7	73	83	3	15
24	37	69	54	7	41	84	3	08
25	34	74	55	7	18	85	3	01
26	32	12	56	6	92	86	2	94
27	29	79	57	6	68	87	2	87
28	27	70	58	6	45	88	2	80
29	25	82	59	6	24	89	2	74
30	24	13	60	6	03	90	2	68
31	22	60	61	5	84	91	2	62
32	21	21	62	5	65	92	2	57
33	19	92	63	5	47	93	2	51
34	18	78	64	5	30	94	2	46
35	17	74	65	5	14	95	2	41
36	16	76	66	4	98	96	2	36
37	15	86	67	4	84	97	2	31
38	15	04	68	4	70	98	2	26
39	14	28	69	4	56	99	2	22
40	13	57	70	4	42	100	2	17

Ad-

Advertiſements.

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IF *any Gentleman or other Perſon would have his Land ſurveyed, or any Building or Edifice meaſured, either for Bricklayers, Carpenters, Maſons, Plaiſterers,* &c. *The Author of this Almanack will perform the ſame, either for Maſter or Workmen: And if any Perſon would have about his Houſe or Garden, any Sun-Dyals; either Direct, Declining, Inclining, Reclining, Concave, Convex or Reflective. He will make or prepare for them ſuch as they ſhall deſire.*

From *Leeſthorp* near *Melton Mowbray* in the Coun. of *Leiceſter. Sept.* 18. 1697.

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